

Arlington High School Building Committee

Meeting Date: Tuesday, May 3, 2022, 6:00 p.m.
Location: Conducted via Remote Participation

- ❖ Skanska Update
 - Review/Approval of Consigli Change Order #13
- ❖ Consigli Update
- ❖ Subcommittee Reports
 - ◆ Communications
 - ◆ Finance
 - ◆ Interiors
 - ◆ Landscape & Exteriors
 - ◆ Memorials
 - ◆ SMEFPF
 - ◆ Security
 - ◆ Temp Use-Phasing
- ❖ Meeting Minute Approval
 - ◆ April 5, 2022
- ❖ New Business
 - ◆ Discuss returning to in-person meetings
- ❖ Adjournment

The listings of matters are those reasonably anticipated by the Chair which may be discussed at the meeting. Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law.

Members of the public are asked to send written comment to kfitzgerald@arlington.k12.ma.us. Documents regarding agenda items will be made available via the Town's website.

<https://www.mass.gov/doc/open-meeting-law-order-march-12-2020/download>

Adam Chapdelaine is inviting you to a scheduled Zoom meeting.

Topic: Arlington High School Building Meeting

Time: May 3, 2022 06:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://town-arlington-ma-us.zoom.us/j/82754004493>

Meeting ID: 827 5400 4493

One tap mobile

+16468769923,,82754004493# US (New York)

+13017158592,,82754004493# US (Washington DC)

Dial by your location

+1 646 876 9923 US (New York)

+1 301 715 8592 US (Washington DC)

+1 312 626 6799 US (Chicago)

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 408 638 0968 US (San Jose)

Meeting ID: 827 5400 4493

Find your local number: <https://town-arlington-ma-us.zoom.us/u/kbtsnp2MEA>

Arlington High School Building Committee

Meeting Materials Package – 5/3/2022

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Vote Language

- Motion to approve Consigli Change Order #13 in the amount of \$108,947.75.
- Motion to approve the 4/5/2022 AHSBC Meeting Minutes.



Change Order (CO)

NO: 13

Date of Issuance:

12-April 2022

Project:	Arlington High School	Contract For:	New Construction
Address:	869 Massachusetts Avenue, Arlington MA	Contract Date:	June 26, 2019
Owner:	Town of Arlington		
Address:	730 Massachusetts Avenue Arlington, MA 02476	Project ID:	
From:	HMFH Architects, Inc	To:	Consigli Construction Co., Inc.
Address:	130 Bishop Allen Drive, Cambridge MA 02139	Address:	72 Summer Street, Milford MA

Items included in this Change Order:	Cost:
CR 093.1 RFI 216.2 Provide Fire-rated ceiling at Stair 1 for elec conduit.	\$ 4,348.03
CR 189R1 ASI-112-112.1 Misc steel and conc changes Bldg B.	\$ 8,833.05
CR 203R2 ASI-121 Chase wall revisions abutting locker pods Bldg B.	\$ 35,810.78
CR 222 ASI-137-137.1RCP Revs- added GWB soffit at Part E.	\$ 2,045.99
CR 266 CCD-031-ASI-163 provide Spandrel glass in lieu of clear at CW52.	\$ 4,337.64
CR 291 ASI-176 Plywd barrier at catwalk gap between perimeter wall.	\$ 7,408.41
CR 292 ASI-180 Provide milwrk cover of steel box-beam at Aud. Balcony.	\$ 4,903.99
CR 302 Provide steel angle for CW doors/sidelights support at foundation.	\$ 6,435.28
CR 306 Rev to ceiling at Guidance area- added ceiling trim-soffit condition	\$ 3,752.54
CR 320 RFI-392 Rev GWB condition at CW49 for modified CW to wall relationship.	\$ 3,613.26
CR 323.1 RFI-582 Provide Boiler EPO Switches PH 2 areas.	\$ 3,712.59
CR 363 RFI-614 Provide explosion proof speaker in Spray Booth room.	\$ 2,047.44
CR 375 ASI-223 Provide MBs and TBs in rooms 229 and 524.	\$ 5,196.91
CR 377 RFI-531 Provide for missing Elec circuitry for Panel Boards in Bldg B.	\$ 4,763.50
CR 385 ASI-143 Revised CW clip design to address bearing condition requirement.	\$ 11,738.16

Change Order Total: \$ 108,947.57

THE CONTRACT IS CHANGED AS FOLLOWS:	
Original Contract Sum was:	\$234,287,347.00
Net change by previously authorized Change Order was:	\$ 1,022,459.94
Contract Sum prior to this Change Order was:	\$235,309,806.94
Contract Sum will be (increased) (decreased) by Change Order in the amount of:	\$ 108,738.16
New Contract Sum including this Change Order will be:	\$235,418,545.10
Contract Time will remain unchanged .	
Date of Substantial Completion as of the date of this Change Order therefore is:	02/14/2022 (Phase 1) 09/19/2023 (Phase 2) 09/18/2024 (Phase 3) 04/25/2025 (Final-Site)

NOTE: This Change Order does not include changes in the Contract Sum, Contract Time or Guaranteed Maximum Price, which have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Architect HMFH Architects, Inc. 130 Bishop Allen Drive. Cambridge, MA	Owner's Project Manager Skanska USA Building, Inc. 101 Seaport Boulevard, Suite 200 Boston, MA 02210	Construction Manager Consigli Construction Co., Inc. 72 Summer Street Milford, MA 01757
BY (Signature) Arthur Duffy	BY (Signature) Jim Burrows	BY (Signature) John LaMarre
Date	Date	Date

Town Manager Adam Chapdelaine 730 Massachusetts Avenue Arlington MA, 02476		
BY (Signature) Adam Chapdelaine	BY (Signature)	BY (Signature)
Date	Date	Date

Attachments:	Consigli CR's 093.1, 189R1, 203R2, 222, 266, 292, 292, 302, 306, 320, 232.1, 363, 375, 377, 385	
Distribution:	<input checked="" type="checkbox"/> Owner – Adam Chapdelaine	<input checked="" type="checkbox"/> Architect – Arthur Duffy, Lori Cowles HMFH Architects, Inc.
	<input checked="" type="checkbox"/> OPM – Jim Burrows, Sy Nguyen, Hal Raymond, Victoria Clifford Skanska USA Building, Inc.	<input checked="" type="checkbox"/> Contractor – John LaMarre, Todd McCabe, Chris Weber, David Dockendorf Consigli Construction Co., Inc.
	<input checked="" type="checkbox"/> Field – C. McWilliams, T. DeRosa Consigli Construction Co, Inc.	<input type="checkbox"/> Other–



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR093.1
Date: 2/22/22
Job: 2153 Arlington High School
Phone:

Description: RFI-216.2 - Fire Rated Ceiling For Electrical - Stair 1 Bldg. B_Sub. 032322

Source: RFI # 216.2

We offer the following specifications and pricing to make the changes as described below:

CR093.1 includes Colony Drywall's Proposal associated with RFI #216.2 Fire Rated Ceiling for Electrical Conduit in Stair 2 - Level 5 (BLDG B;PH2) issued by HMFH on 8.16.21. The architectural drawings do not indicate a fire rated ceiling to be installed below the electrical conduit on Stair 1;Level 5 (BLDG B). CCC proposes that the 2-hr fire rated ceiling shall be installed in lieu of the endothermic wrap as proposed in RFI #216.2 response dated 8.16.22, as this was condition installed in Phase 1, reference CR093 and RFI-216 for historical tracking. Please see attached pricing and associated backup for additional information.

Assumptions & Qualifications:

- Costs associated with Overtime/Acceleration are not included
- Costs associated with MEP/FP trades are not included if required.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Colony Drywall - COP#080 dated 10/1/21				\$4,006.76		\$4,006.76
					Subtotal:	\$4,006.76
		Bond (.75%)		\$4,006.76		\$30.05
		General Liability (1.2%)		\$4,006.76		\$48.08
		Subguard (1.4%)		\$4,006.76		\$56.09
		OH&P (5% subs, 10% self perform)		\$4,140.98		\$207.05
					Total:	\$4,348.03

- ☐ SCHEDULE IMPACT
- ☐ We have proceeded with this change to achieve schedule.
- ☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
72 Sumner Street
Milford MA 01757

OWNER

(Signature)

Arthur Duffy

By

04/04/2022

Date

(Signature)

John LaMarre

By

3/22/2022

Date

(Signature)

Jim Burrows

By

4/12/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Portland ME • Milford MA

Weber, Chris

From: Weber, Chris
Sent: Tuesday, March 22, 2022 12:58 PM
To: Stephanie MacNeil; Dockendorf, David; Samya, Kevin; LaMarre, John
Cc: Alan Pemstein; Arthur Duffy
Subject: RE: RFI 216.1 / 216.2 - Gather Pricing for Phase 2

Stephanie,

Costs for GWB ceiling is \$4,350. We have a price for this, and will be a forthcoming CR093.1. I don't have any formal pricing for the Endothermic wrap, but looking at pricing online for reference the 2420 wrap is approx.. \$1,000/40SF roll. So you would be close to the same price as GWB in material alone.

Thanks



Chris Weber
Project Manager
m: 774.573.4072
consigli.com



From: Stephanie MacNeil <smacneil@hmfh.com>
Sent: Monday, March 21, 2022 5:16 PM
To: Weber, Chris <cweber@consigli.com>; Dockendorf, David <ddockendorf@consigli.com>; Samya, Kevin <ksamya@consigli.com>; LaMarre, John <JLaMarre@consigli.com>
Cc: Alan Pemstein <apemstein@hmfh.com>; Arthur Duffy <aduffy@hmfh.com>
Subject: RFI 216.1 / 216.2 - Gather Pricing for Phase 2

Chris – I believe you're the right first point of contact on this – but CC'ing the Consigli team if it needs to bounce to someone else.

The attached RFI was "solved" in Part D as a GWB ceiling – as we look to Phase 2 and building Part B – noting the increasing costs from drywall changes – we would still like to pursue the option of the Endothermic Wrap.

The area in question is roughly 120 sqft (rounding up - 15' x 8') – is it possible to get current costs for:

- Added GWB ceiling of this area (reference the COR which would have been tied to the original RFI for 216.1)
- Use of the Endothermic Wrap – install + materials for 120sqft.

If we could get some ballpark numbers to the two above line items – that will help to resolve which direction we go to close out this RFI. Let me know if I can provide any further information to assist.

Thanks,

Stephanie

Stephanie MacNeil AIA LEED AP

Associate | 617 844 2144

HMFH ARCHITECTS

130 Bishop Allen Drive, Cambridge, MA 02139 | 617.492.2200

[web](#) | [twitter](#) | [facebook](#) | [linkedin](#)



Fire Rated Ceiling for Electrical Conduit in Stair 2 Level 5 (Building B) (WJGEI RFI #40)

TO:	Arthur Duffy (HMFH Architects)	FROM:	Kevin Samya (Consigli Construction Co., Inc.) 72 Sumner Street Milford, Massachusetts 01757
DATE INITIATED:	07/15/2021	STATUS:	Open
LOCATION:	Building B	DUE DATE:	07/20/2021
COST CODE:		REFERENCE:	WJGEI RFI #40
COST IMPACT:	TBD	SCHEDULE IMPACT:	TBD
DRAWING NUMBER:	E2.5b, E2.6B, A3.5b	SPEC SECTION:	260000 - Electrical
RECEIVED FROM:	George Gray (Wayne J. Griffin Electric Inc.)		

COPIES TO:

CA Bala (Bala Consulting Engineers), Mark Blundell, Gil Castera (Bala), Victoria Clifford (Skanska USA Inc.), Greg Cmar (Interval Data Systems), Patrick Condon (Consigli Construction Co., Inc.), David Dockendorf (Consigli Construction Co., Inc.), Haley Donovan (Consigli Construction Co., Inc.), Arthur Duffy (HMFH Architects), Jim Fikiet (Skanska USA Inc.), Ryan Flynn (Bala Consulting Engineers), Vianely Franco (HMFH Architects), Kevin Fuller (Interval Data Systems), Mike Gagne (Interval Data Systems), Bill Gnerre (Interval Data Systems), George Hines (Bala Consulting Engineers), John LaMarre (Consigli Construction Co., Inc.), William Lentz (Bala Consulting Engineers), Stephanie MacNeil (HMFH Architects), Scott Martino (Consigli Construction Co., Inc.), Chuck McWilliams (Consigli Construction Co., Inc.), Reid Mullett (Rist-Frost-Shumway Engineering (RFS)), Sy Nguyen (Skanska USA Inc.), Cam Patch (Consigli Construction Co., Inc.), Fran Patnode (Rist-Frost-Shumway Engineering (RFS)), Hal Raymond (Skanska USA Inc.), Richard Rivera (Bala Consulting Engineers), David Rockwood (Consigli Construction Co., Inc.), Kevin Samya (Consigli Construction Co., Inc.), Chris Weber (Consigli Construction Co., Inc.)

Question from Kevin Samya (Consigli Construction Co., Inc.) at 02:13 PM on 07/15/2021

Please reference the attached WJGEI RFI #40. Please reference electrical drawings E2.5b and E2.6b, and architectural drawing A3.5b.

Over at Stair 2 Level 5 Building D we had to install a fire rated ceiling due to the electrical conduit going into the stairwell and to the floor above. We have a similar instance on Stair 1 Level 5 Building B. In order to be code compliant we request a fire rated ceiling be installed directly below the electrical conduit.

Please provide a sketch for the intended location.

Please Note - ACT ceiling height will have to be lowered 3-4" due to sprinkler drainage. This will be noted on the electrical coordinated

Attachments:

[RFI #216.2 - Fire Rated Ceiling for Electrical Conduit in Stair 2 Level 5 \(Building B\) \(WJGEI RFI #40\).pdf](#)

Awaiting an Official Response

All Replies:

In lieu of installing a 2-HR rated ceiling assembly, provide pricing for installing a 2-HR thermal blanket wrap of the conduit group. See attached product data and approximate materials listing (confirm total length/width of conduit run within Stair). *If this pricing is less than the anticipated pricing of a Gypsumboard assembly (Phase 1 Stair 2 pricing can be used as assumed cost for GWB ceiling assembly in this Stair 1) this approach can be pursued. If this approach is more cost, then a GWB ceiling can be provided.*

BY

08/16/2021

DATE

COPIES TO

E-Wrap™ Endothermic Wrap

E-Wrap™ Endothermic Wrap is a protective wrap designed for fire protection of critical circuits and infrastructure such as fire pumps, signaling equipment, elevators, alarms, process control equipment, or emergency responder communications enhancement systems (ERCES). E-Wrap is also used for fuel oil pipe protection. When installed around Electrical Metallic Tubing (EMT), conduits, cable trays, or pipes, E-Wrap™ releases chemically bound water to have a cooling effect providing up to 2 hours of circuit integrity ensuring continued operation under fire conditions.

Applications

Protecting circuits including cables, Electrical Metallic Tubing (EMT), conduits, or cable trays. Also used to protect fuel oil piping.

Specifications

The approved protective wrap product shall be a flexible, endothermic insulative wrap for the protection of electrical systems such as Electrical Metallic Tubing (EMT), conduits, cable trays, or pipes for up to 2 hours. The approved protective wrap shall be capable of being installed in layers and secured with minimum 16 GA (1.3 mm) steel tie wire to protect encapsulated items against the effects of fire and heat. The product shall be capable of providing equal F & T Ratings when applied to membrane penetrations of utility boxes. The approved protective wrap shall be certified by UL and Intertek. The approved product shall be STI E-Wrap™ Endothermic Wrap.

Specified Divisions

Section 07 80 00	Fire and Smoke Protection
Section 07 84 00	Firestopping
Section 26 01 00	Operation & Maintenance of Electrical Systems
Section 27 20 00	Data Communications

TESTING & APPROVALS

Criteria	Circuit Integrity	Fuel Oil	Utility Box
Standard	ASTM E1725	UL1489	ASTM E814/UL1479
Values	1, 2 Hour	1, 2 Hour	1, 2 Hour



Listed C5013598
Refer to Intertek's Directory of Building Products For Detailed Information.

Features & Benefits

- Flexible material - easy to install, even on small diameter conduits
- Fewer layers required for protection - better coverage per roll
- Tested with Electrical Metallic Tubing (EMT) and heavier conduits or pipes
- Endothermic - releases chemically bound water to have a cooling effect
- Low density - weighs less than competing wraps
- May be used to achieve equal F&T Ratings on Penetration Firestop Systems
- Tested to ASTM E1725 for circuit integrity
- Tested to UL1489 for fuel oil pipe protection



PHYSICAL PROPERTIES

Color	Silver
Facing	Aluminum Foil Scrim
Dimensions	2 ft (61 cm) x 20 ft (610 cm)
Thickness	0.5 in (13 mm)
Roll Weight	54.2 lbs (24.6 kg)
Density	32 PCF (512.59 kg/cu m)
Wrap Area	40 sq ft (3.72 sq m)
Shelf Life	Unlimited (when stored properly)

E-Wrap™ Endothermic Wrap

Installation Information

Typical tools required include razor knives, aviation snips or electric cutting shears, measuring and marking implements, aluminum foil tape, No. 16 AWG steel tie wire or stainless steel banding straps.

Refer to Intertek or UL System and determine required number of layers. Follow design listing requirements for joints, seams, and overlaps. Mechanically restrain protective wrap with appropriate steel tie wire or stainless steel banding straps.

Storage Information

Material to be stored in floored, covered warehouse and protected from rain, water, other liquids, and inclement weather where moisture and dampness may deteriorate product. Direct liquid contact will be detrimental and destructive to insulating and physical properties. Store on pallets, timber or concrete blocks to prevent moisture absorption from the ground. Do not stack pallets to prevent compression of insulation.

Maintenance

No maintenance is ordinarily needed. If foil scrim is damaged, repair with aluminum foil tape and maintain min. 2 in. (51 mm) overlap. For more extensive damage, remove and repair as per original design listing.

System Selection

To find your firestop system or create a submittal, visit <https://systems.stifirestop.com/> to use System Search & Submittal Builder. You may also visit the [UL Online Certifications Directory/UL Product iQ™](#) for complete listings. (Firestop Systems).

Technical Service

Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL System designs suitable for submittal or specification purposes are available on request. A complete library of technical information is provided at the company's website www.stifirestop.com including Safety Data Sheets (SDS's).

Availability

E-Wrap™ Endothermic Wrap is available from Specified Technologies Inc. (STI) authorized distributors. For additional purchasing and technical information or for the names and locations of the nearest representative and/or distributor, regarding this and other Specified Technology products, please call 1-800-992-1180 or visit www.stifirestop.com.

ORDERING INFORMATION

Catalog Number	UPC Number	Description	(UOM) Qty.	Case Quantity	Weight (Each)
EW2420	730573350065	20' (6.1 m) L x 24" (610 mm) W x 0.50" (13 mm) T 40 sq ft (3.72 sq m) roll	1	1	54.20 lbs (24.58 kg)

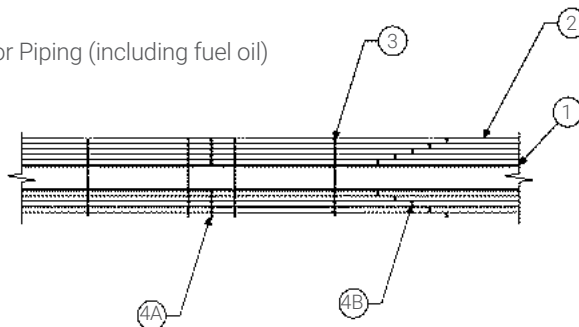
1. Electrical Metallic Tubing (EMT) or Steel Conduit with Electrical Conductors or Piping (including fuel oil)

2. E-Wrap™ Endothermic Wrap

3. Steel tie wire or stainless steel banding straps

4A. Overlapping seams between E-Wrap™ sections/layers sealed with SpecSeal® LCI Sealant

4B. Telescoping Seams between E-Wrap™ sections/layers



IMPORTANT NOTICE: ALL STATEMENTS, TECHNICAL INFORMATION, AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON TESTING BELIEVED TO BE RELIABLE, BUT THE ACCURACY AND COMPLETENESS THEREOF IS NOT GUARANTEED.

STI TYPICALLY WARRANTIES ITS PRODUCTS FOR ONE FULL YEAR. FOR COMPLETE DETAILS OF OUR STANDARD WARRANTY, PLEASE VISIT WWW.STIFIRESTOP.COM/LEGAL/WARRANTY

MADE IN THE USA - © 2020 SPECIFIED TECHNOLOGIES INC.



E-Wrap Estimator

Project Title and Date fields are required.

Project Title:

Date: No date selected

System Information

Choose the type of item to be wrapped? EMT

Single or Banked Banked

Assembly Width 20.5 in

Assembly Depth 3.5 in

Total length of system including bends 15 ft

Will joints be telescoping or butted Butted

Banding or Tie Wire Tie Wire

Enter Hours of Desired Protection (Hr) 2

Material Costs

Enter the E-Wrap Cost (per roll) \$0

Enter the Sealant Cost (per 10 oz tube) \$0

Enter Tie Wire Cost (per 5 lb spool - 82 lf) \$0

Aluminum Foil Tape (per 250 yd roll) \$0

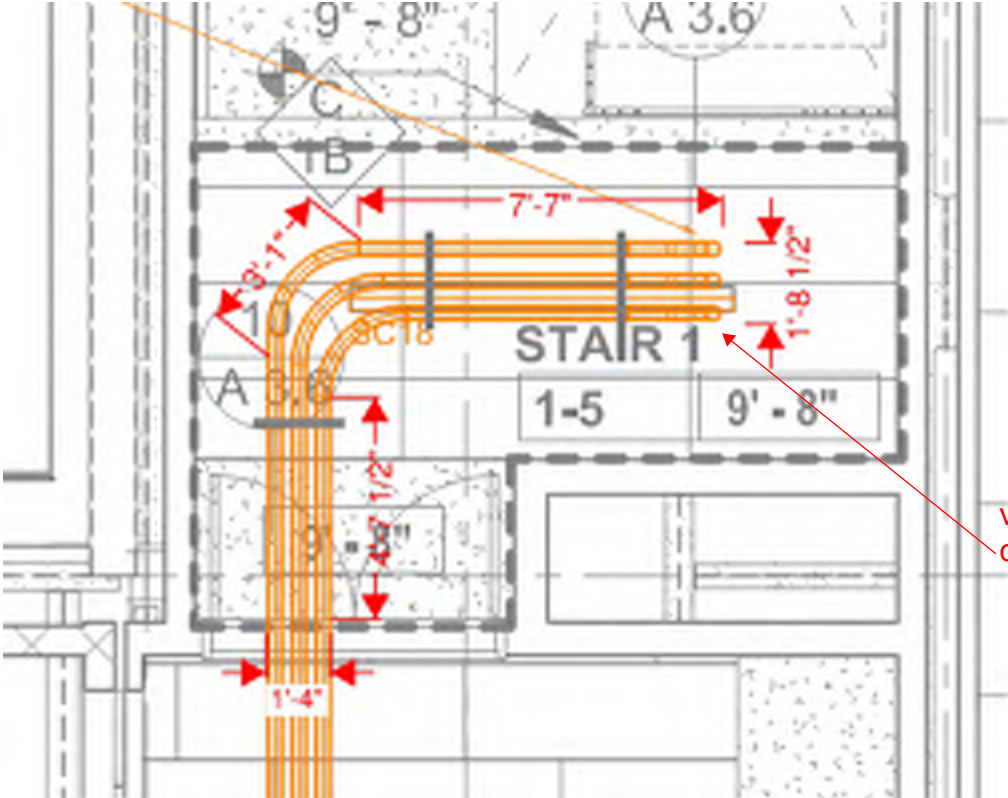
Enter the Estimated Scrap (%) (per 100) 0 %

Recommended Listing

[No listing found. Submit an engineering request.](#)

Straight Run Cut Length By Layer	
Layer Number	Cut Length For Rectangular Shape Or Banked Group
1	50.15
2	54.15
3	58.15
4	62.15
Total Cut Length:	224.61

Bill of Materials	
Item	Quantity
E-Wrap Rolls	8
Sealant (10 oz tubes)	2
16 ga Tie Wire (ft)	246
Aluminum Foil Tape (250 yd rolls)	1



vertical rise dimension?



WAYNE J.
GRIFFIN ELECTRIC
INC.

REQUEST FOR INFORMATION

This is a request for information / clarification to resolve any questions in plans and specifications. Any changes to the contract as a result of the answer to the question below will be addressed under separate cover.

Request For Information No. 40

Date: 7/14/2021

To: Consigli Construction Company, Inc.
72 Sumner Street
Milford, MA 01757

Job #: 2698

Attn.: Scott Martino, MEP Manager
Title

Project: Arlington High School, Arlington, MA

Reference: E2.6b, A3.5b; Building B, Stair 1, Level 5 Ceiling

Question: Should the drop ceiling reflected in Stair 1 on level 5 have a rated ceiling to
allow electrical conduit system to pass through and access the Standby Electric Room on
the roof?

Signed: George Gray

Date: 7/14/2021

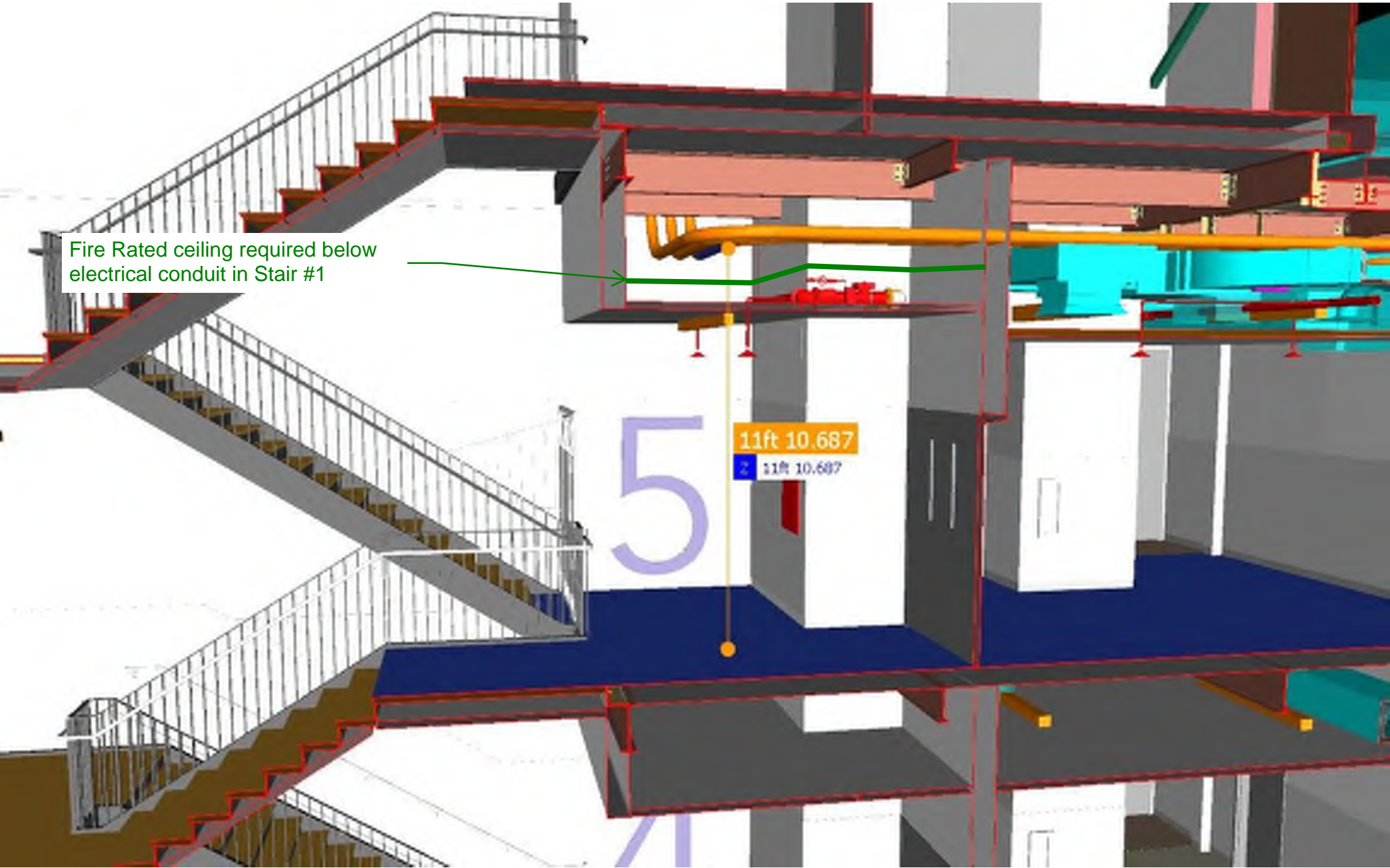
Please provide an answer by 7/21/2021 to minimize the impact to our work.

Attachments: Yes: X No: Copy:

Answer:

Signed:

Date:

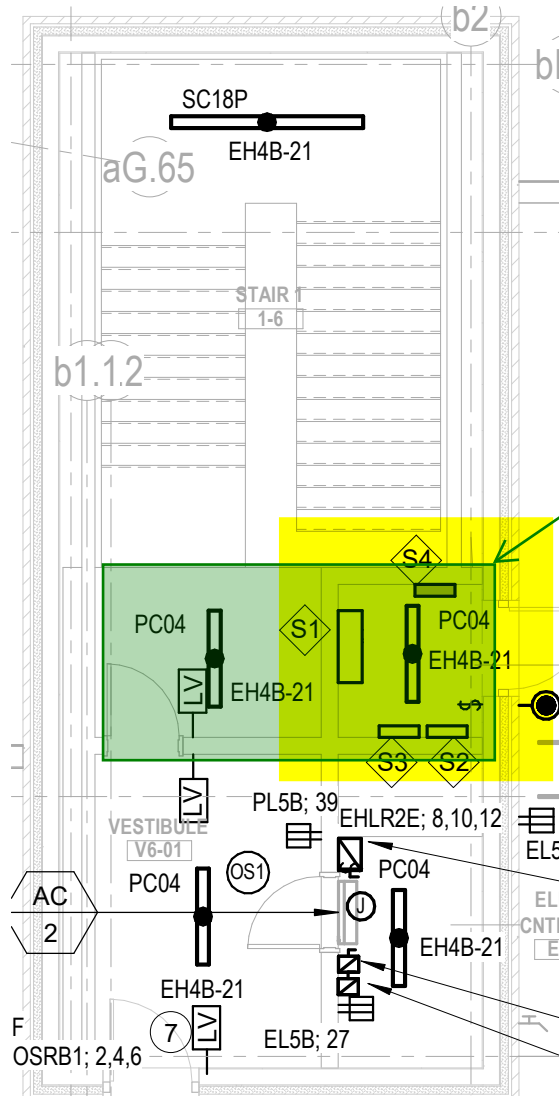


Fire Rated ceiling required below
electrical conduit in Stair #1

11ft 10.687

11ft 10.687

E2.6b

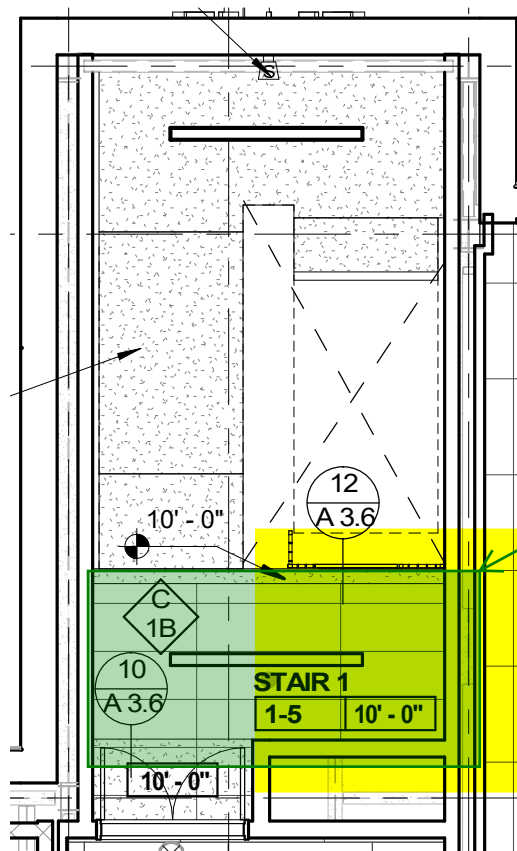


Fire Rated ceiling required below
electrical conduit in Stair #1

STANDBY ELECTRIC ROOM EQUIPMENT I.D.:

- ◇ S1 480/277V DISTRIBUTION PANEL MHDOSRB
- ◇ S2 480/277V PANEL MHOSRB
- ◇ S3 480/277V PANEL MHOSRB1
- ◇ S4 MEASUREMENT AND VERIFICATION METERING

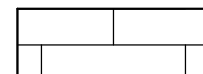
A3.5b



Fire Rated ceiling required below
electrical conduit in Stair #1

A3.6

ACOUSTICAL CEILING SUSPENSION
SYSTEM



2'x6'



1119 State Road, Unit #1, Westport, MA 02790
(508) 677-9880 • Fax (508) 679-9006

October 1, 2021

Consigli Construction
72 Sumner Street
Milford, MA 01757

ATT: Chris Weber/ John Lamarre
Re: Arlington High School
RFI 216.2

CHANGE ORDER PROPOSAL NO. 80

The Following Proposal is to furnish & install materials to construct a horizontal shaft wall Assembly at the fifth floor of stair 1 per RFI 216.2

2'x10'x1" shaftline - 9 pcs
2 ½ T Runner - 7 pc
2 ½ CH Stud - 8 pcs
4 x 12 x 5/8 Typex - 12 pc
Compound - 1 pc
Misc. Trims & Fasteners

Carpenter 16 Hrs. @ 106.27
Taper 8 Hrs. @ 106.96
Laborer 3 Hrs. @ 87.17

LABOR: \$ 2,817.51 ✓
MATERIAL: \$ 825.00 ✓
SUBTOTAL: \$ 3,642.51 ✓
OVERHEAD & PROFIT: \$ 364.25 ✓
TOTAL: \$ 4,006.76 ✓

THIS AMOUNT \$ 4,006.76 IS TO BE ADDED TO THE ORIGINAL CONTRACT AMOUNT.

Mario Sousa
Project Manager



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR093
Date: 3/3/21
Job: 2153 Arlington High School
Phone:

Description: RFI-216.1 - Stair 2 Fire Rated Ceiling_Bldg. D_Sub. 072121

Source: RFI # 216

We offer the following specifications and pricing to make the changes as described below:

CR093 includes costs associated with RFI-216.1 - Stair 2 Fire Rated Ceiling for Electrical Conduit Bldg. D. Per HMFH RFI Response dated 5/23/21, a horizontal shaft wall ceiling assembly is required per SKA-074. CR093 includes Colony Drywall costs to F/I soffit to extend to underside of deck above, and provide 2hr rated shaftwall assembly as specified in SKA-074 at 5th floor of Stair 2. Please see attached pricing and associated backup for additional information. CCC has proceeded with this scope change in order to maintain project schedule.

Assumptions & Qualifications:

- Costs associated with overtime/acceleration are not included.
- CR093 includes costs associated with Colony scope only. Additional costs for rated penetrations for MEP trades are not included.
- CR093 includes costs associated with RFI-216.1 only. Additional costs for rated ceiling at other stairs except stair 2 are not included.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Colony Drywall - COP#32 dated 5/27/21				\$3,772.34		\$3,772.34
					Subtotal:	\$3,772.34
			Bond (.75%)	\$3,772.34		\$28.29
			General Liability (1.2%)	\$3,772.34		\$45.27
			Subguard (1.4%)	\$3,772.34		\$52.81
			OH&P (5% subs, 10% self perform)	\$3,898.71		\$194.94
					Total:	\$4,093.65

☐ SCHEDULE IMPACT

☒ We have proceeded with this change to achieve schedule.

☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR

OWNER

(Signature)

Arthur Duffy

By

08/08/2021

Date

(Signature)

John LaMarre

By

7/20/21

Date

(Signature)

By

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Portland ME • Milford MA

Weber, Chris





From: Weber, Chris
Sent: Tuesday, March 16, 2021 8:44 AM
To: Jim Burrows; Arthur Duffy; Nguyen, Sy; Clifford, Victoria
Cc: LaMarre, John; Dockendorf, David
Subject: RFI-216 - Fire Rated Ceiling for Electrical Conduit L5 Stair 2 - ROM Pricing (CR093)

Jim/Arthur,

Following with ROM costs associated with RFI-216. Addition of approx.. assuming 10x10 ceiling with soffit return to deck, ROM value is \$5,000. Formal pricing to follow upon receipt of detail in forthcoming ASI. We have assigned CR093 for this change.

Thanks and let me know if you have any questions.
Chris



Chris Weber
Project Manager
m: 774.573.4072
    consigli.com

From: Arthur Duffy (HMFH Architects) <Consigli_Notifications@procoretech.com>

Sent: Tuesday, March 2, 2021 12:21 PM

To: Weber, Chris <cweber@consigli.com>

Subject: Arlington High School: Response to RFI #216 (Fire Rated Ceiling for Electrical Conduit in Stair 2 Level 5 (Building D) (WJGEI RFI #13))

Arlington High School



More details: [View online](#) [Open In App](#)



Fire Rated Ceiling for Electrical Conduit in Stair 2 Level 5 (Building D) (WJGEI RFI #13)

TO:	Arthur Duffy (HMFH Architects)	FROM:	Kevin Samya (Consigli Construction Co., Inc.) 72 Sumner Street Milford, Massachusetts 01757
DATE INITIATED:	03/12/2021	STATUS:	Open
LOCATION:	Building D	DUE DATE:	03/17/2021
COST CODE:		REFERENCE:	WJGEI RFI #13
COST IMPACT:	TBD	SCHEDULE IMPACT:	TBD
DRAWING NUMBER:	Section Coordinated Drawing	SPEC SECTION:	260000 - Electrical
RECEIVED FROM:	Wayne Pease (Wayne J. Griffin Electric Inc.)		

COPIES TO:

CA Bala (Bala Consulting Engineers), Mark Blundell, Gil Castera (Bala), Victoria Clifford (Skanska USA Inc.), Greg Cmar (Interval Data Systems), JP Connors (Consigli Construction Co., Inc.), David Dockendorf (Consigli Construction Co., Inc.), Haley Donovan (Consigli Construction Co., Inc.), Arthur Duffy (HMFH Architects), Jim Fikiet (Skanska USA Inc.), Ryan Flynn (Bala Consulting Engineers), Vianely Franco (HMFH Architects), Kevin Fuller (Interval Data Systems), Mike Gagne (Interval Data Systems), Bill Gnerre (Interval Data Systems), Jerry Graybill (Rist-Frost-Shumway Engineering (RFS)), George Hines (Bala Consulting Engineers), John LaMarre (Consigli Construction Co., Inc.), William Lentz (Bala Consulting Engineers), Scott Martino (Consigli Construction Co., Inc.), Chuck McWilliams (Consigli Construction Co., Inc.), Reid Mullett (Rist-Frost-Shumway Engineering (RFS)), Sy Nguyen (Skanska USA Inc.), Cam Patch (Consigli Construction Co., Inc.), Fran Patnode (Rist-Frost-Shumway Engineering (RFS)), Hal Raymond (Skanska USA Inc.), Richard Rivera (Bala Consulting Engineers), David Rockwood (Consigli Construction Co., Inc.), Kevin Samya (Consigli Construction Co., Inc.), Chris Weber (Consigli Construction Co., Inc.)

Question from Kevin Samya (Consigli Construction Co., Inc.) at 01:03 PM on 03/12/2021

After reviewing the response to RFI #216, the electrical coordinator adjusted the conduit in Level 5 Building D Stair 2 as tight to steel as possible. They were able to adjust the bottom of the conduit to 11'3". In order to accommodate the frame/sheetrock, the ceiling will have to be reduced down to 11'. Please provide ceiling detail as indicated in the RFI response.

Please Note - Electrician unable to relocate single conduit going south to the elevator machine room due to the layout and restriction from other trades. The conduit will have to remain in the indicated location.

Attachments:

[RFI #216.1 - Fire Rated Ceiling for Electrical Conduit in Stair 2 Level 5 \(Building D\) \(WJGEI RFI #13\).png](#)

Awaiting an Official Response

All Replies:

Horizontal shaftwall ceiling assembly with height indicated in attached sketch SKA-074. (understood that this will be added cost).

BY

DATE

05/23/2021

COPIES TO



ALL ITEMS BELOW THE SHAFTWALL THAT NEED TO ATTACH TO FLOOR
STRUCTURE ABOVE SHALL HAVE ALL PENETRATING HANGERS
FIRESTOPPED.
ACT/GRID SUSPENSION SYSTEM MAY BE HUNG FROM THE SHAFTWALL
ASSEMBLY.

GYP SLOPED TO FOLLOW STAIRS. SEE STAIR DRAWINGS. _____

dF.6

9' - 6"

042
ASI

12
A 3.6

10
A 3.6

STAIR 2
2-5

10
A 3 6

9' - 2"	
---------	--

CORRIDOR
C5-11

1
A 3.6

CCC - CR093.1

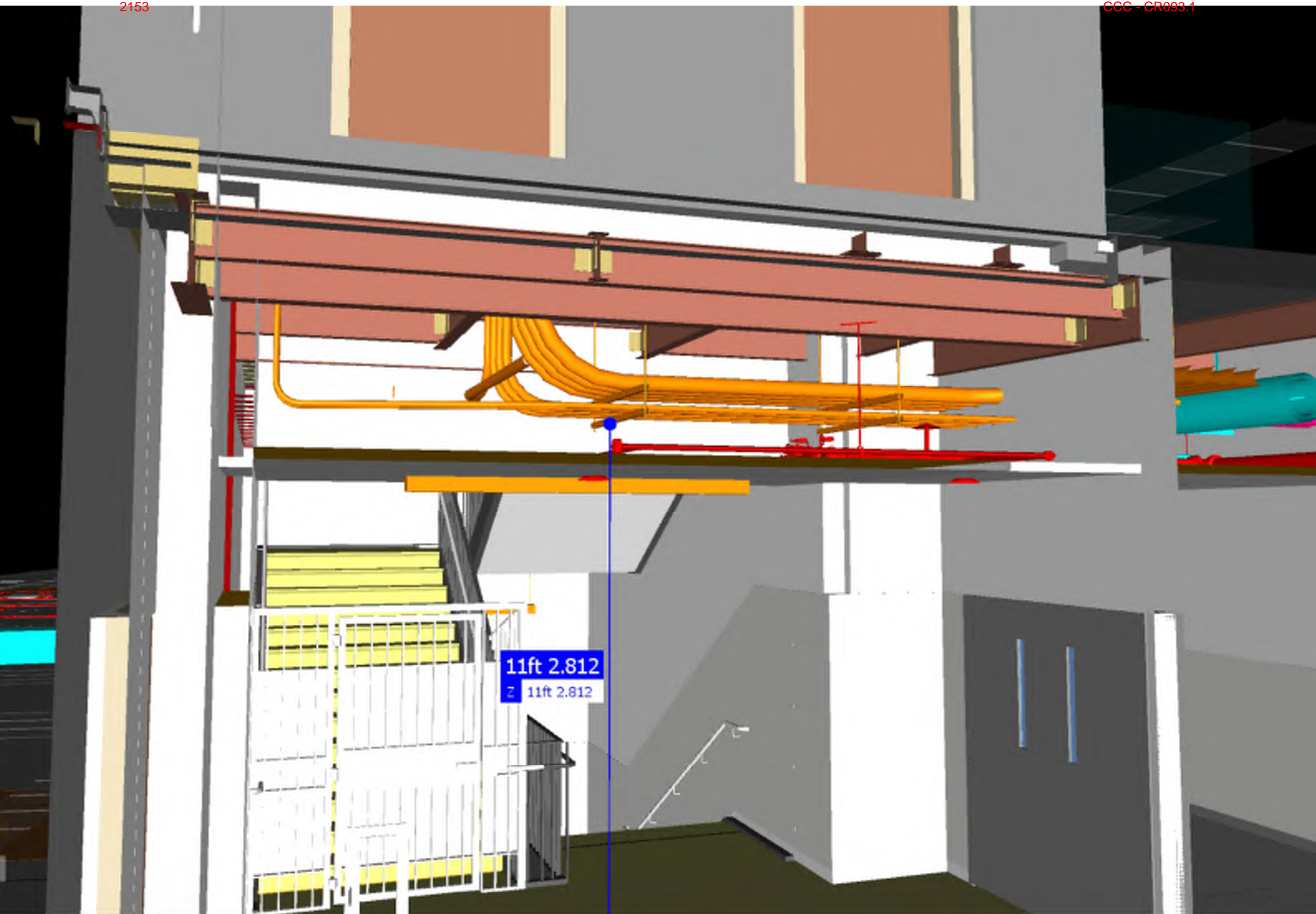
SKA 074

Arlington High School
869 Massachusetts Ave, Arlington, MA
Revision to A3.5d at Stair 2

SCALE: 1/8" = 1'-0" DATE: 05/20/21 DRAWN: MI CHECKED: AD

$$\begin{array}{cc} \Sigma & \mathbb{I} \\ \mathbb{I} & \mathbb{L} \end{array}$$

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1119 State Road, Unit #1, Westport, MA 02790
(508) 677-9880 • Fax (508) 679-9006

May 27, 2021

Consigli Construction
72 Sumner Street
Milford, MA 01757

ATT: Chris Weber/ John Lamarre
Re: Arlington High School
RFI 216.1

CHANGE ORDER PROPOSAL NO. 32

The Following Proposal is to furnish & Install materials to construct a horizontal shaft wall Assembly at the fifth floor of stair 2 per RFI 216.1

2'x10'x1" shaftline - 9 pcs
2 1/2 T Runner - 7 pc
2 1/2 CH Stud - 8 pcs
4 x 12 x 5/8 Typex - 12 pc
Compound - 1 pc
Misc. Trims & Fasteners

Carpenter 16 Hrs. @ 105.14
Taper 8 Hrs. @ 105.44
Laborer 3 Hrs. @ 85.88

LABOR: \$ 2,783.40 ✓
MATERIAL: \$ 646.00 ✓
SUBTOTAL: \$ 3,429.40 ✓
OVERHEAD & PROFIT: \$ 342.94 ✓
TOTAL: \$ 3,772.34 ✓

THIS AMOUNT \$ 3,772.34 IS TO BE ADDED TO THE ORIGINAL CONTRACT AMOUNT.

Mario Sousa
Project Manager

Jeffrey Arruda
Estimator
jeff.colony@yahoo.com

Patricia Moniz
Executive
pat.colony@yahoo.com

Kelly Silva
Executive Assistant
kelly.colony@yahoo.com

Mario Sousa
Project Manager
marios.colony@yahoo.com



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR189
Date: 7/12/21
Job: 2153 Arlington High School
Phone:

Description: ASI-112.1 - 112 - Misc. Steel & Concrete Changes Bldg. B_Sub. 020222

Source: ASI # 112

We offer the following specifications and pricing to make the changes as described below:

**CR189R1 includes revised pricing and associated responses to HMFH/FBRA CR189 comments.

CR189 includes costs associated with ASI-112 & ASI-112.1 - Misc. Steel & Concrete Changes - Bldg. B dated 7/14/21 issued by HMFH. Please see attached Trimax pricing for itemized schedule of added/deleted steel members and associated tonnage.

Assumptions & Qualifications:

- CCC has proceeded with this scope in order to maintain project schedule
- Costs associated with overtime/acceleration are not included

Please see attached pricing and associated backup for additional information

Description	Labor	Material	Equipment	Subcontract	Other	Price
TX-COR-1008R1 dated 3/29/22				\$8,139.74		\$8,139.74
Riggs Concrete - Ph. 2-4 - NCC dated 12/1/21						
					Subtotal:	\$8,139.74
		Bond (.75%)		\$8,139.74		\$61.05
		General Liability (1.2%)		\$8,139.74		\$97.68
		Subguard (1.4%)		\$8,139.74		\$113.96
		OH&P (5% subs, 10% self perform)		\$8,412.43		\$420.62
					Total:	\$8,833.05

- ☐ SCHEDULE IMPACT
- ☐ We have proceeded with this change to achieve schedule.
- ☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR

72 Sumner Street
Milford

OWNER

(Signature)

Arthur Duffy

By

03/29/2022

Date

(Signature)

John LaMarre

By

3/29/22

Date

(Signature)

Jim Burrows

By

3/31/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

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**RECEIVED**

2.02.2022

**FOLEY BUHL ROBERTS
& ASSOCIATES, INC.****Change Request**

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR189
Date: 7/12/21
Job: 2153 Arlington High School
Phone:

FBRA Review
03/8/2022
See one comment on
page 25 of 27.

Description: ASI-112.1 - 112 - Misc. Steel & Concrete Changes Bldg. B_Sub. 020222

Source: ASI # 112

We offer the following specifications and pricing to make the changes as described below:

CR189 includes costs associated with ASI-112 & ASI-112.1 - Misc. Steel & Concrete Changes Bldg. B dated 7/14/21 issued by HMFH. Please see attached Trimax pricing for itemized schedule of added/deleted steel members and associated tonnage.

Assumptions & Qualifications:

- CCC has proceeded with this scope in order to maintain project schedule
- Costs associated with overtime/acceleration are not included

Please see attached pricing and associated backup for additional information

Description	Labor	Material	Equipment	Subcontract	Other	Price
TX-COR-1008 dated 7/26/21				\$8,186.49		\$8,186.49
Riggs Concrete - Ph. 2-4 - NCC dated 12/1/21						
					Subtotal:	\$8,186.49
			Bond (.75%)	\$8,186.49		\$61.40
			General Liability (1.2%)	\$8,186.49		\$98.24
			Subguard (1.4%)	\$8,186.49		\$114.61
			OH&P (5% subs, 10% self perform)	\$8,460.74		\$423.04
					Total:	\$8,883.78

☐ SCHEDULE IMPACT

☒ We have proceeded with this change to achieve schedule.

☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
72 Sumner Street
Milford, MA 01757

OWNER

(Signature)

(Signature)

John LaMarre

(Signature)

By

By

020222

By

Date

Date

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

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H M
F H

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 112

date: 7.1.2021

subject: Misc Steel, concrete revisions Part b

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☒ Consigli
☒ HMFH Architects ☒ Other: FBRA

reference: Drawings A2,7b, A2.7c, A2.7d, A2.6e, A2.7f.
S2.2b, S2.3b, S2.4b, S2.5b, S2.6b, S2.8, S3.1b, S6.2.9.

attachments: Sketches SKA-104a and SKA-104b, SKS-131 through SKS-147

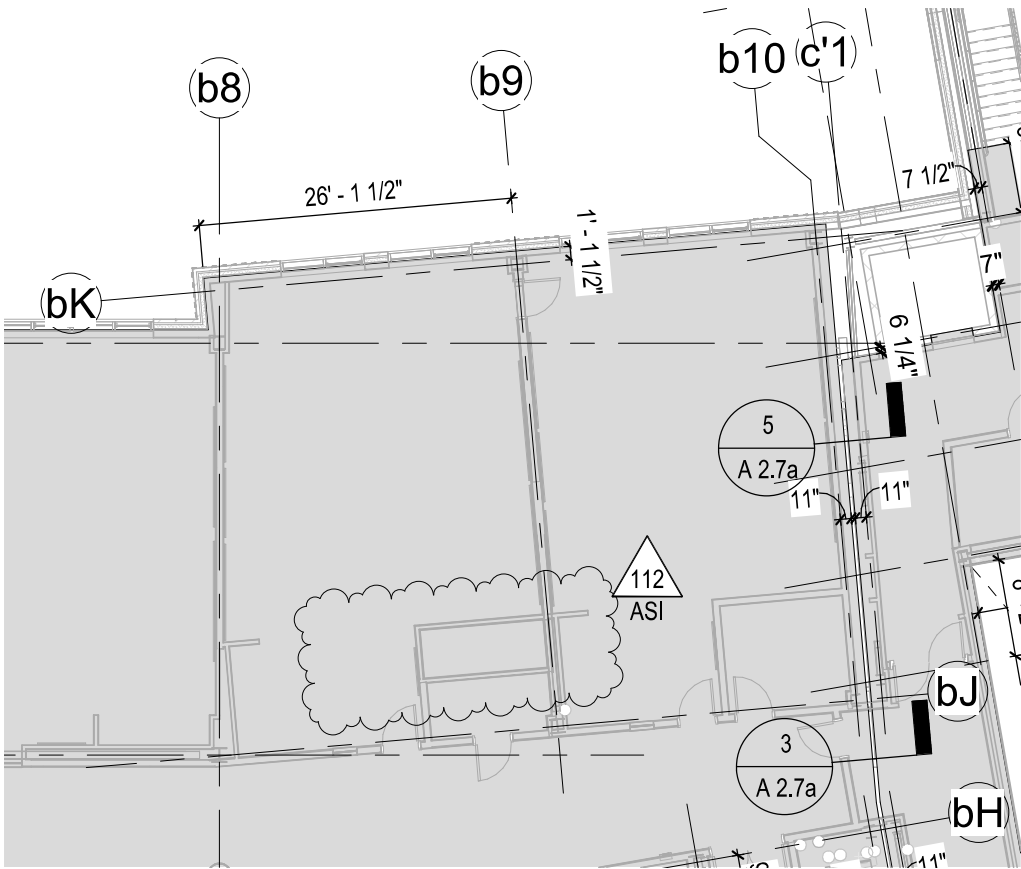
OFFICE. (617) 492 2200
FAX. (617) 876 9775

130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

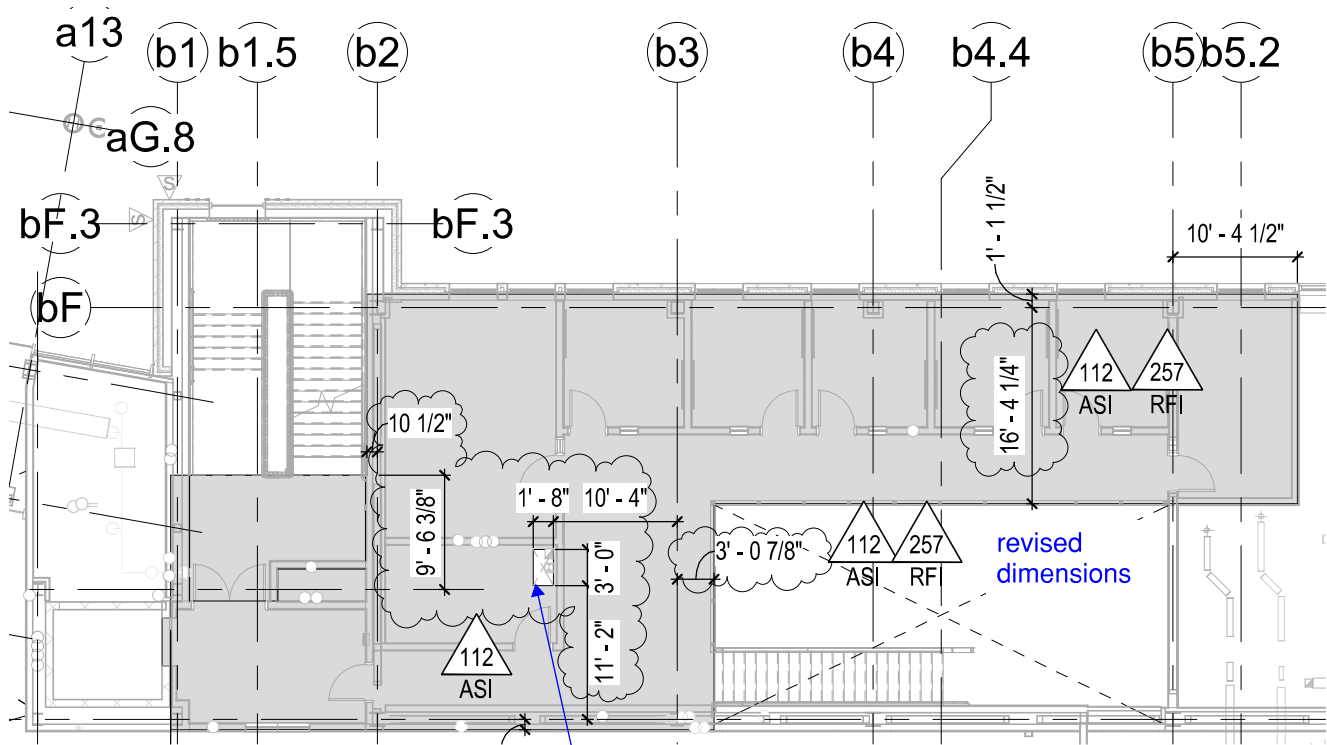
The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

Miscellaneous steel and concrete changes Part b



A2.7c - Second Floor Slab Edge Plan

Deleted slab
opening



A2.7b - Upper First Floor Slab Edge Plan

New
opening

ASI 112 / RFI 257

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Arlington High School

869 Massachusetts Ave, Arlington, MA

Revisions to A2.7b Upper First Floor Slab Edge Plan
and A2.7c Second Floor Slab Edge Plan.

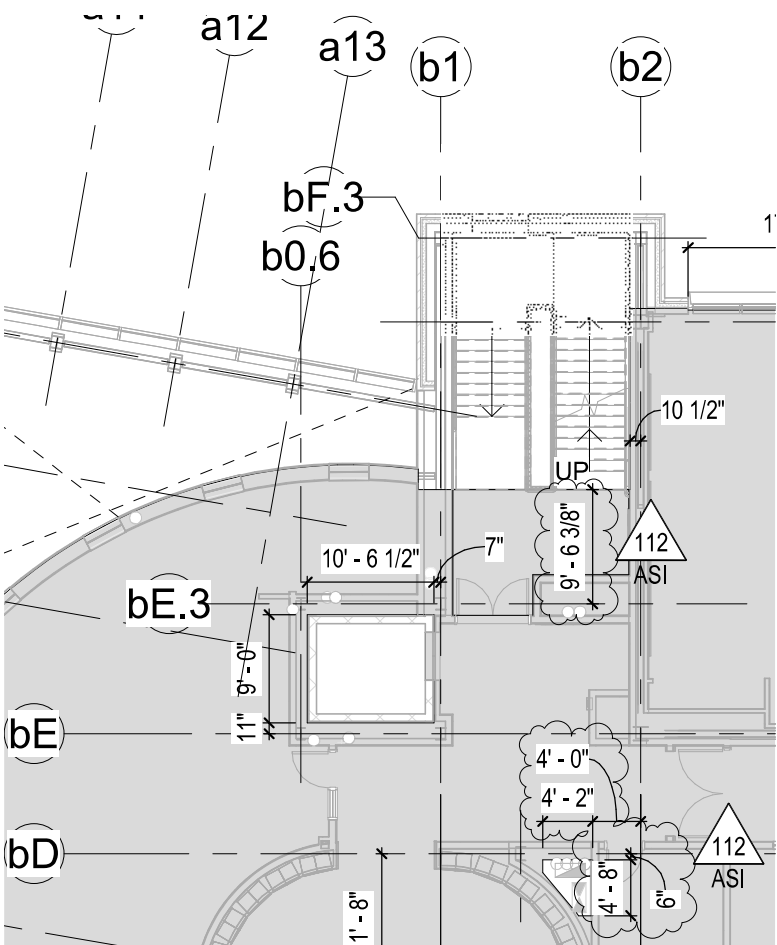
SCALE: 1/16" = 1'-0" DATE: 7.01.2021 DRAWN: DR CHECKED: ASD

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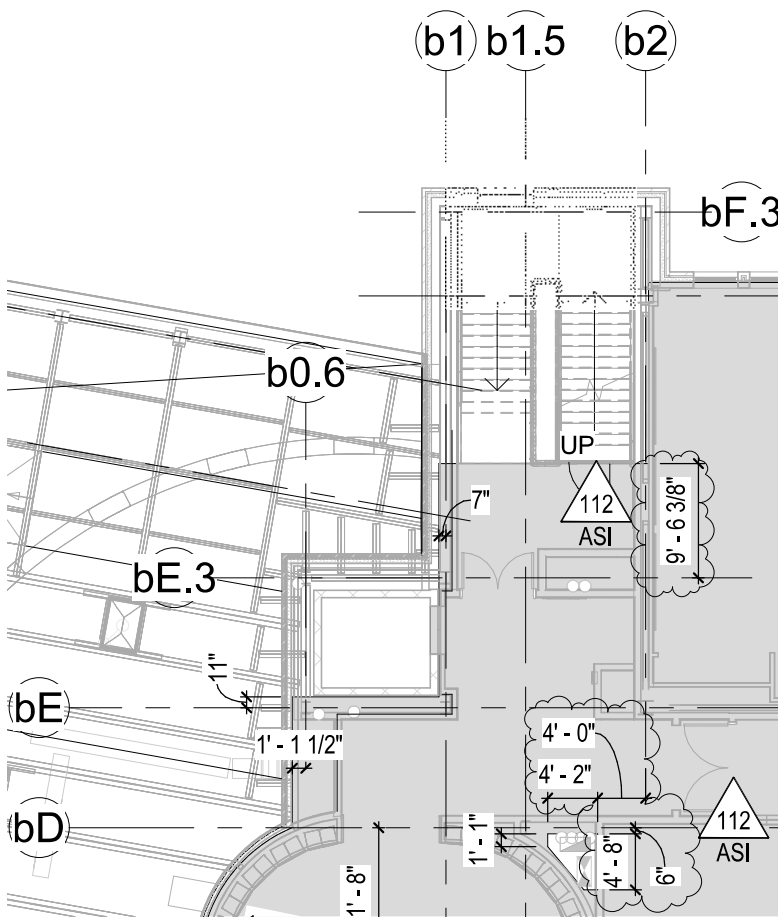
SKA
104a

JOB NUMBER

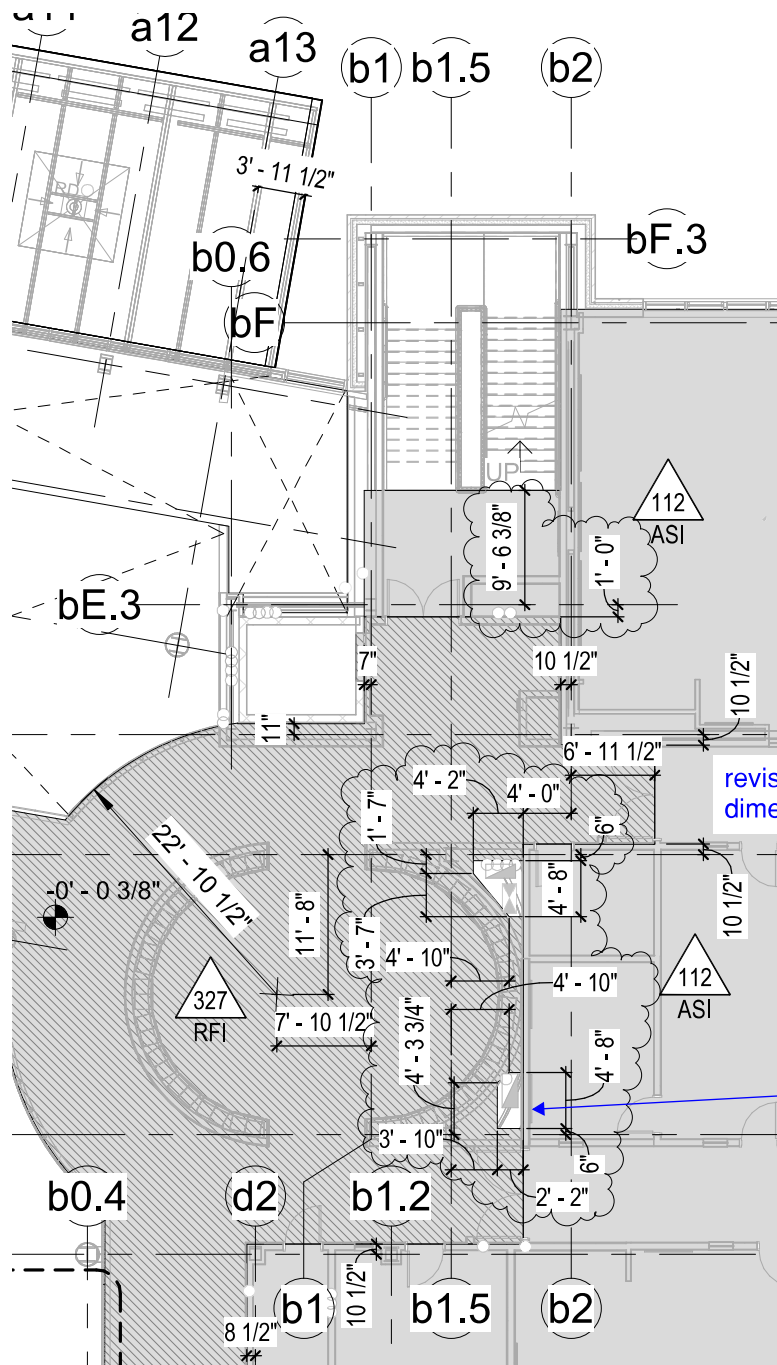
408417



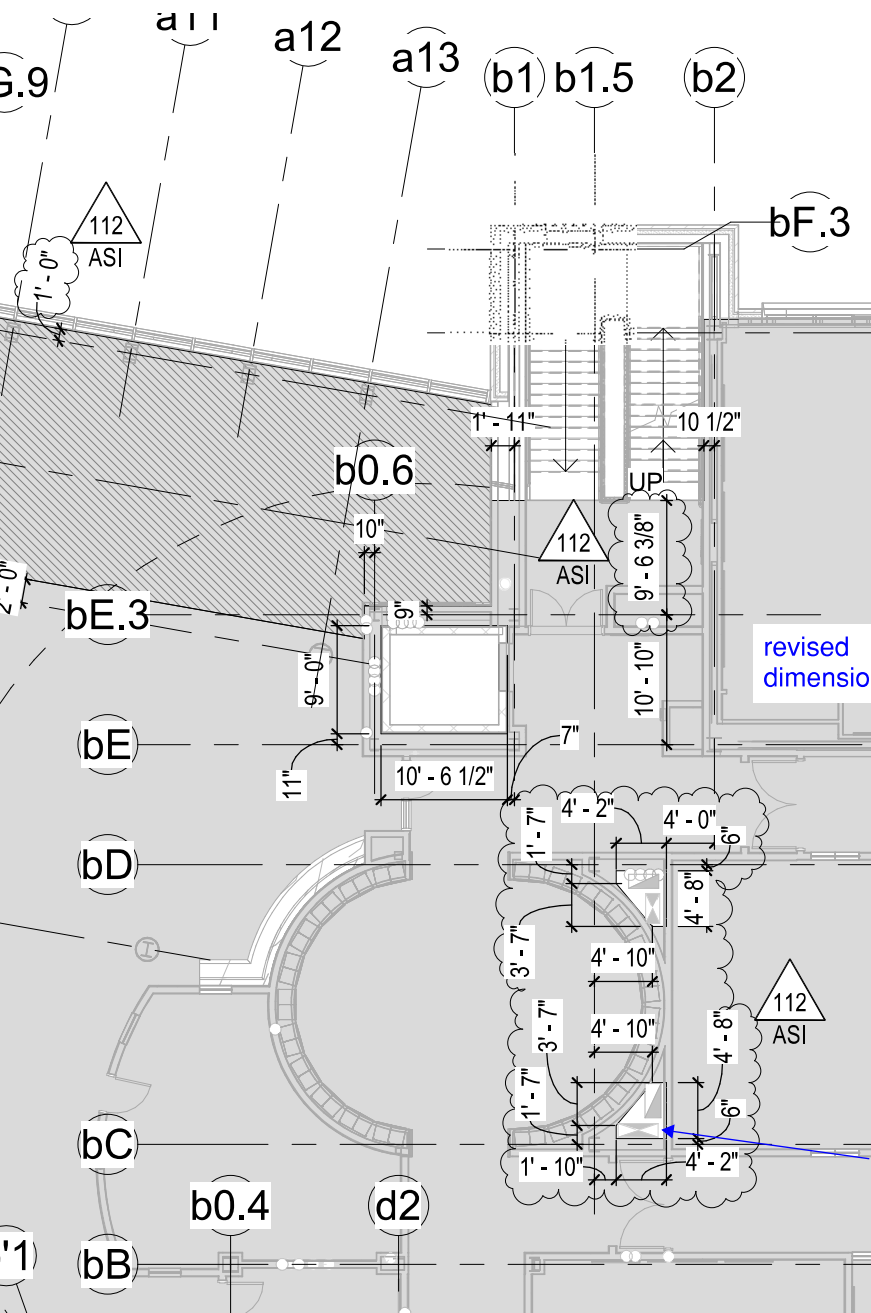
A2.7e - Fourth Floor Slab Edge Plan



A2.7f - Fifth Floor Slab Edge Plan



A2.7c - Second Floor Slab Edge Plan



A2.7d - Third Floor Slab Edge Plan

ASI 112

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Revisions to A2.7c, A2.7d, A2.7e and A2.7f Second
Through Fifth Floor Slab Edge Plans

SCALE: 1/16" = 1'-0" DATE: 7.01.21 DRAWN: DR CHECKED: AD

DRAWING NUMBER

SKA
104b

JOB NUMBER 408417

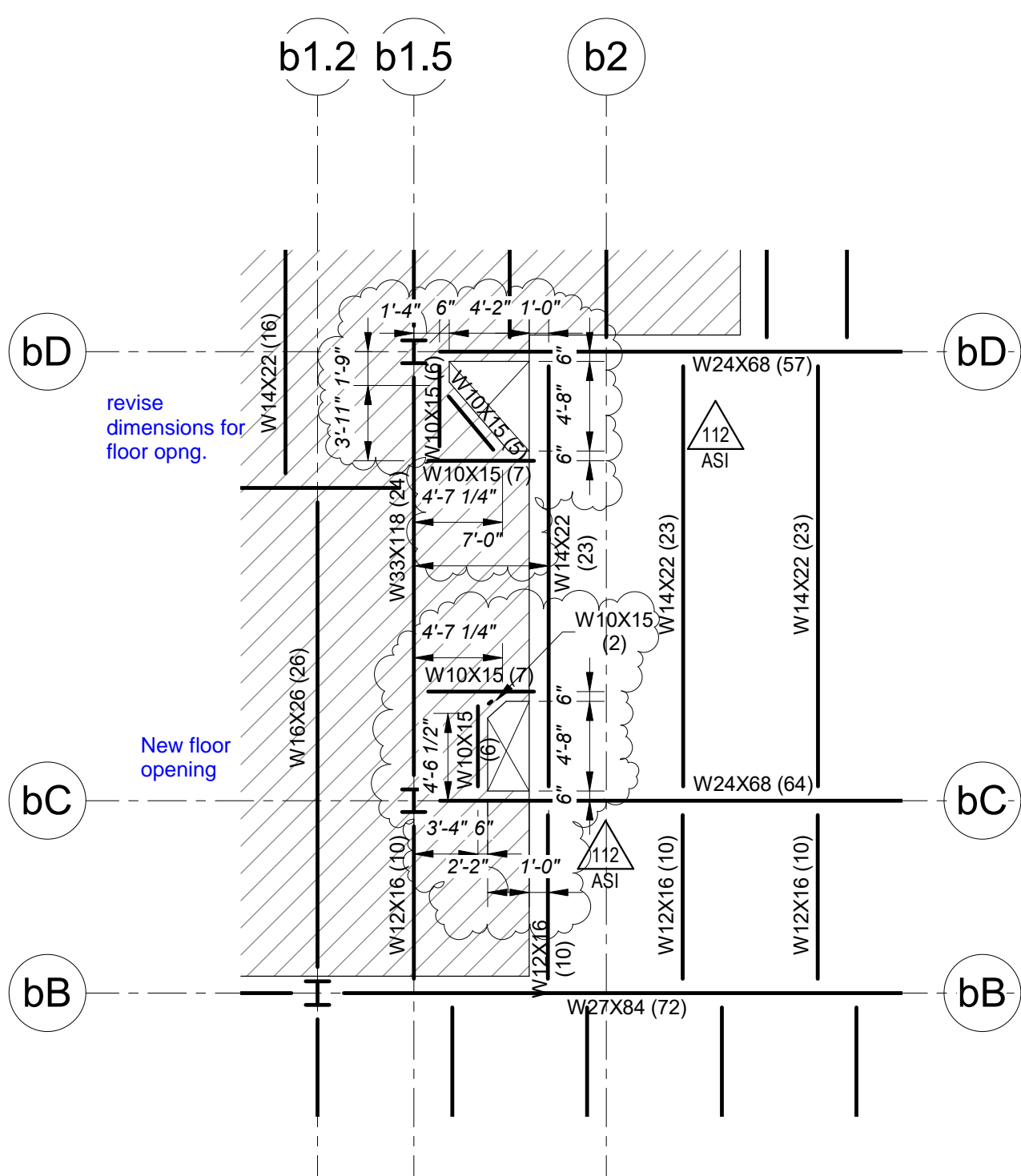
RECEIVED
7/1/2021 2153

REF.: S2.2b
S2.3b

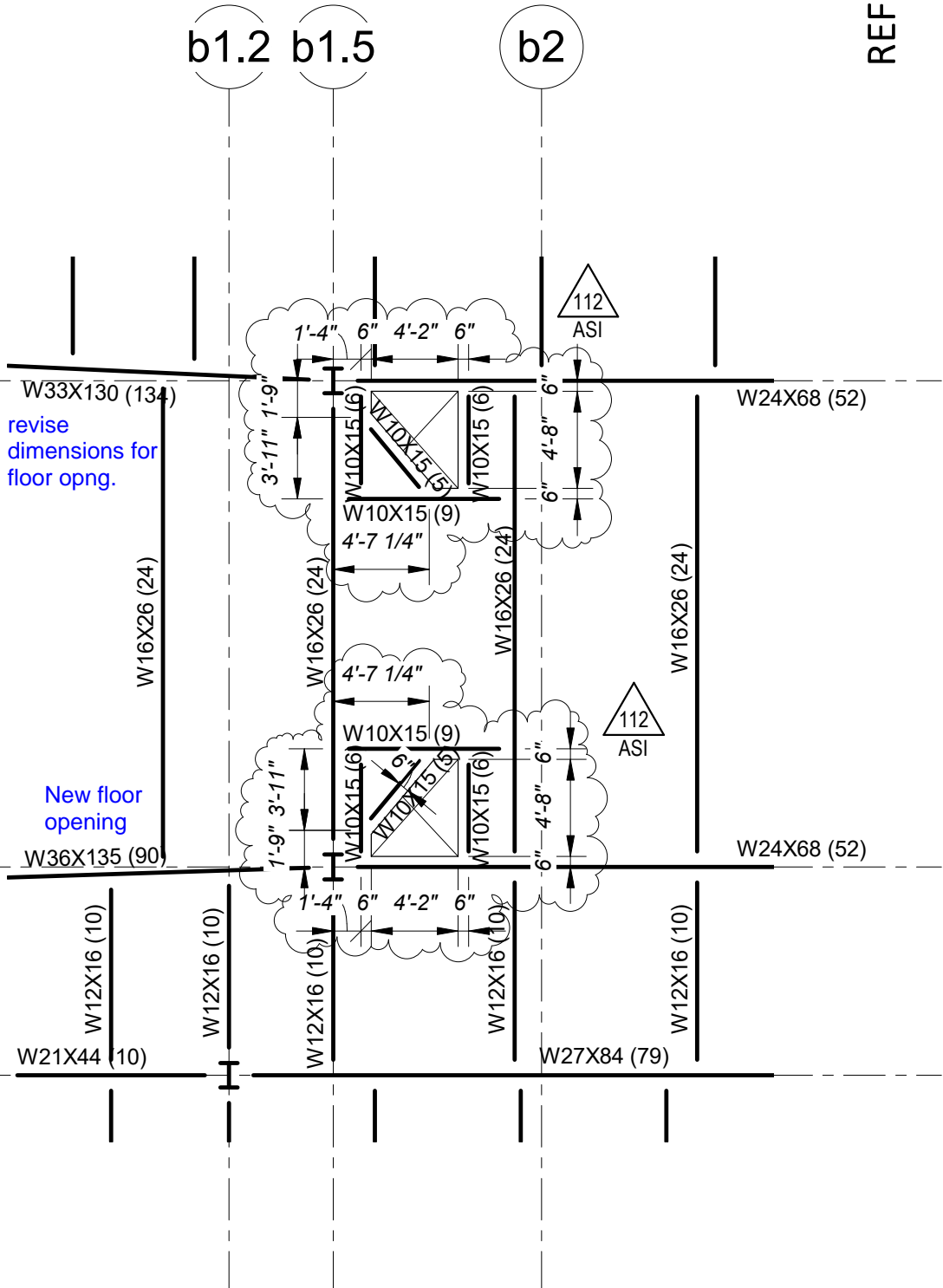
ASI 112

CCC - CR189R1
DRAWING NUMBER
SKS
131

JOB NUMBER
2017172



SECOND FLOOR FRAMING PLAN - PART B
1/8" = 1'-0"



THIRD FLOOR FRAMING PLAN - PART B
1/8" = 1'-0"

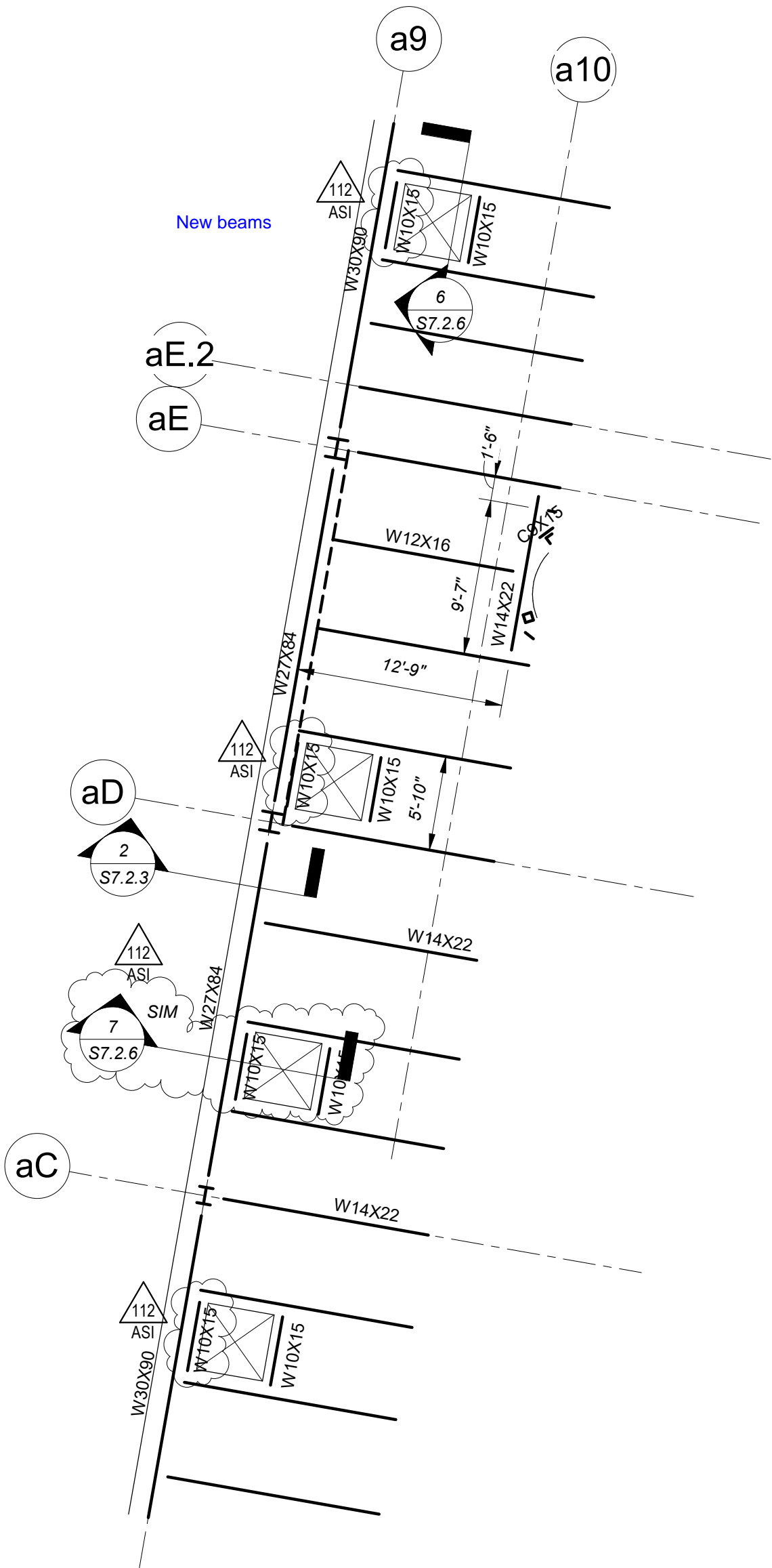
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ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
**Revisions to Part B Second and Third Floors -
New slab openings and framing**

SCALE: 1/8" = 1'-0" DATE: 07/01/21 DRAWN: JEG CHECKED: JEG



FIFTH FLOOR/ROOF FRAMING PLAN -
PART B PART PLAN I

1/8" = 1'-0"

REF.: S2.5b

ASI 112

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F 617-527-0006 www.fbr.com Newton MA 02462

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H M
F H

ARLINGTON HIGH SCHOOL

Massachusetts Avenue, Arlington, Massachusetts
Revisions to Part B Fifth Floor - Added Beams at Skylight
Edge

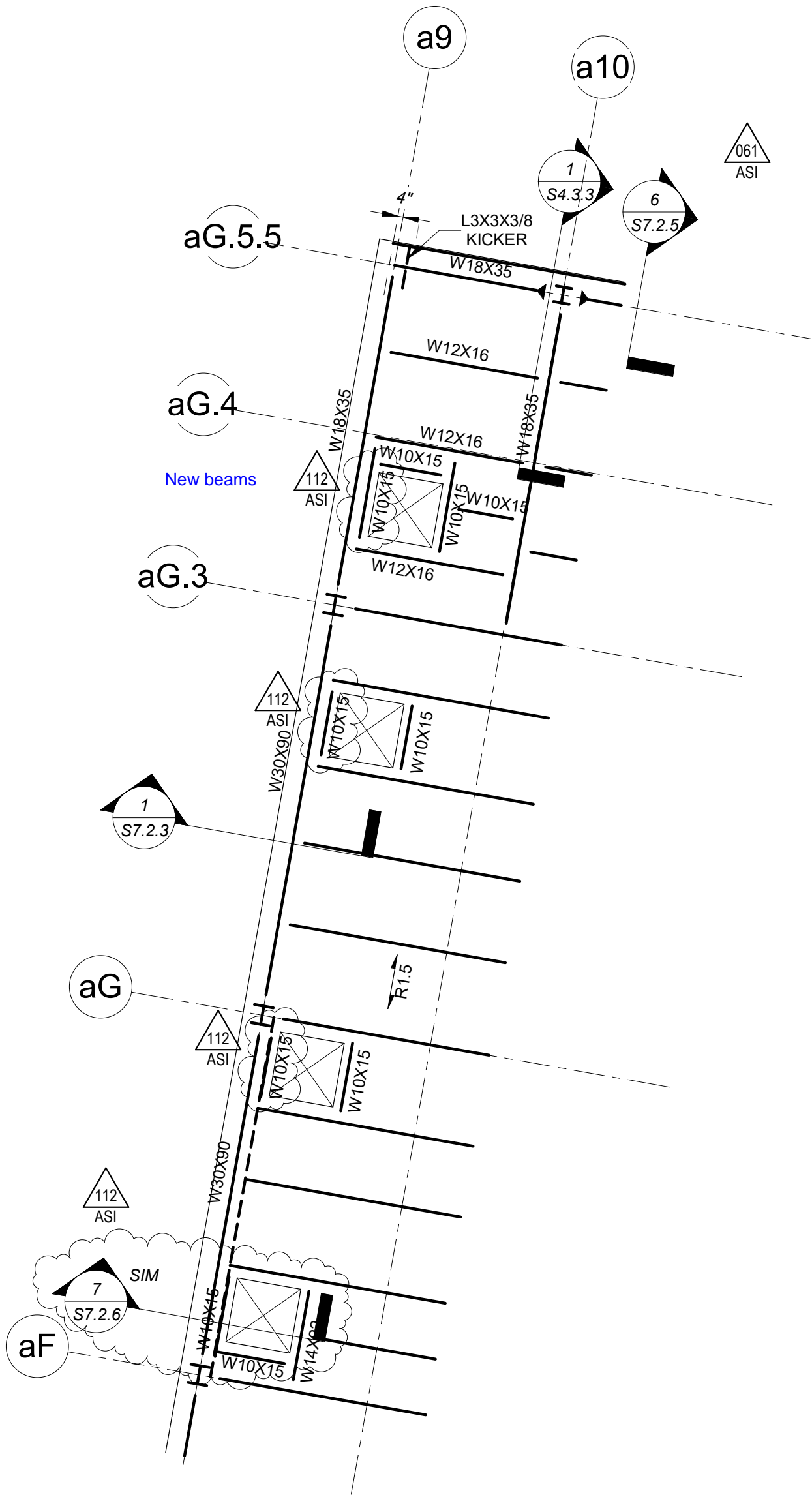
SCALE: 1/8" = 1'-0" DATE: 07/01/21 DRAWN: LC CHECKED: JEG

DRAWING NUMBER

SKS
132

JOB NUMBER

2017172



FIFTH FLOOR/ROOF FRAMING PLAN -
PART B PART PLAN II

1/8" = 1'-0"

REF.: S2.5b

ASI 112

FoleyBuhlRoberts
structural engineers & ASSOCIATES INC.
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F 617-527-6006 www.fbr.com Newton MA 02462

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H M
F H

ARLINGTON HIGH SCHOOL

Massachusetts Avenue, Arlington, Massachusetts
Revisions to Part B Fifth Floor - Added Beams at Skylight
Edge

SCALE: 1/8" = 1'-0" DATE: 07/01/21 DRAWN: LC CHECKED: JEG

DRAWING NUMBER

SKS
133

JOB NUMBER

2017172

6.0 ROOF T.O.S. H.P.			6.0 ROOF T.O.S. H.P.
133' - 10 1/2"	W14X43	W14X43	133' - 10 1/2"
5.0 Fifth TOS			5.0 Fifth TOS
118' - 9 1/2"	W14X82	W14X82	118' - 9 1/2"
4.0 Fourth TOS			4.0 Fourth TOS
105' - 1 1/2"	W14X90	W14X99	105' - 1 1/2"
3.0 Third TOS			3.0 Third TOS
91' - 5 1/2"	W14X90	W14X99	91' - 5 1/2"
2.0 Second TOS			2.0 Second TOS
75' - 5 1/2"	W14X90	W14X99	75' - 5 1/2"
1.5 Upper First TOS			1.5 Upper First TOS
63' - 5 1/2"	W14X90	W14X99	63' - 5 1/2"
1.0 First TOC			1.0 First TOC
52' - 0"	W14X90	W14X99	52' - 0"
Column Locations			

Part B Graphical Column Schedule

1/8" = 1'-0"

REF.: S3.1b

ASI 112

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ARLINGTON HIGH SCHOOL

Massachusetts Avenue, Arlington, Massachusetts

Revisions to Graphical Col Schedule Part B -
Removed Intumescent Paint on Columns

SCALE: 1/8" = 1'-0" DATE: 07/01/21 DRAWN: LC CHECKED: JEG

DRAWING NUMBER

SKS
134

JOB NUMBER 2017172

REF.: S2.2b
S6.2.8

ASI 112

CCC - CR189R1

DRAWING NUMBER
SKS
135

JOB NUMBER
2017172

ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
Revisions to Part B 2nd Floor - Annotated HSS Posts
Updated Sect 7/S6.2.8

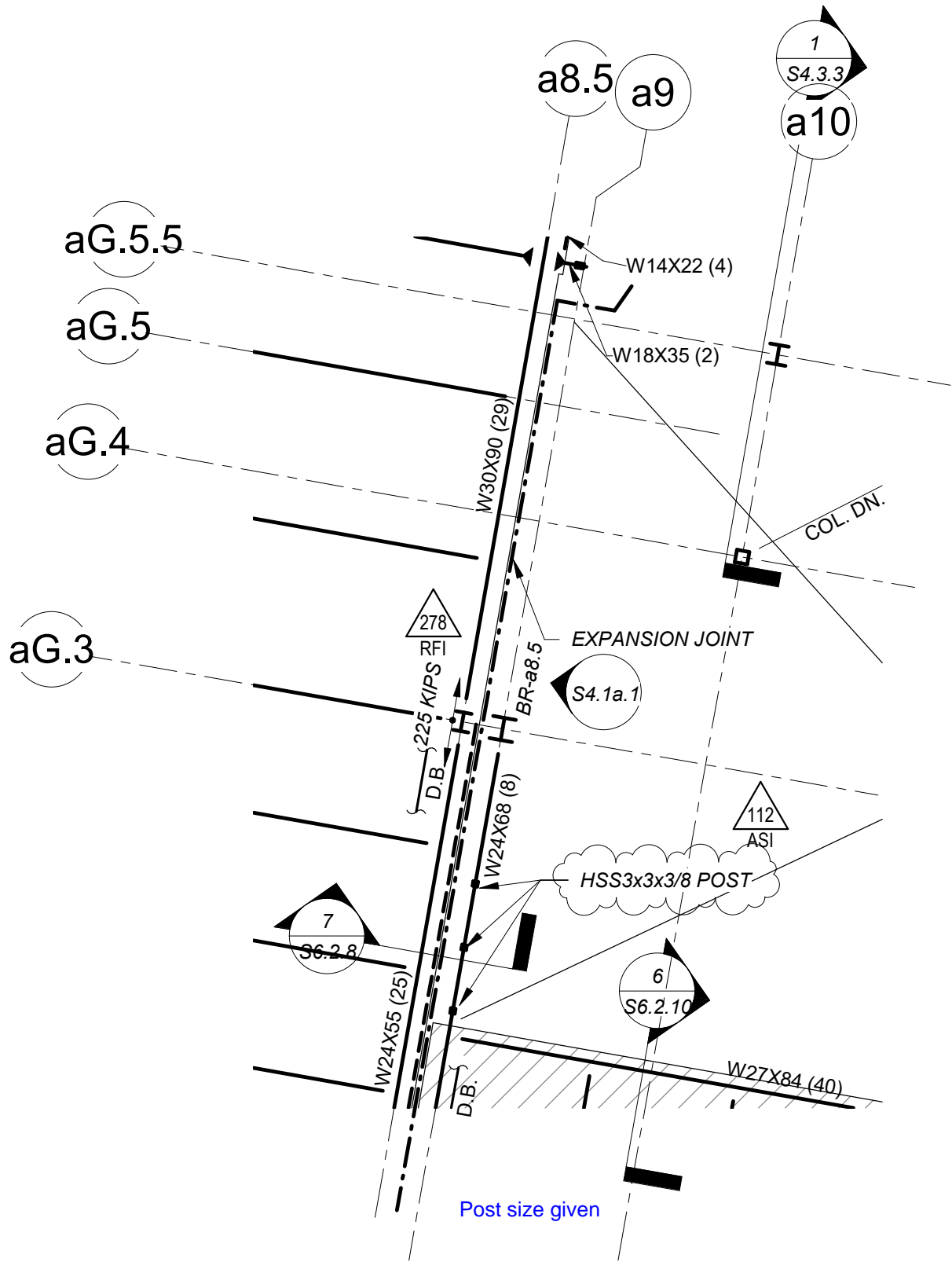
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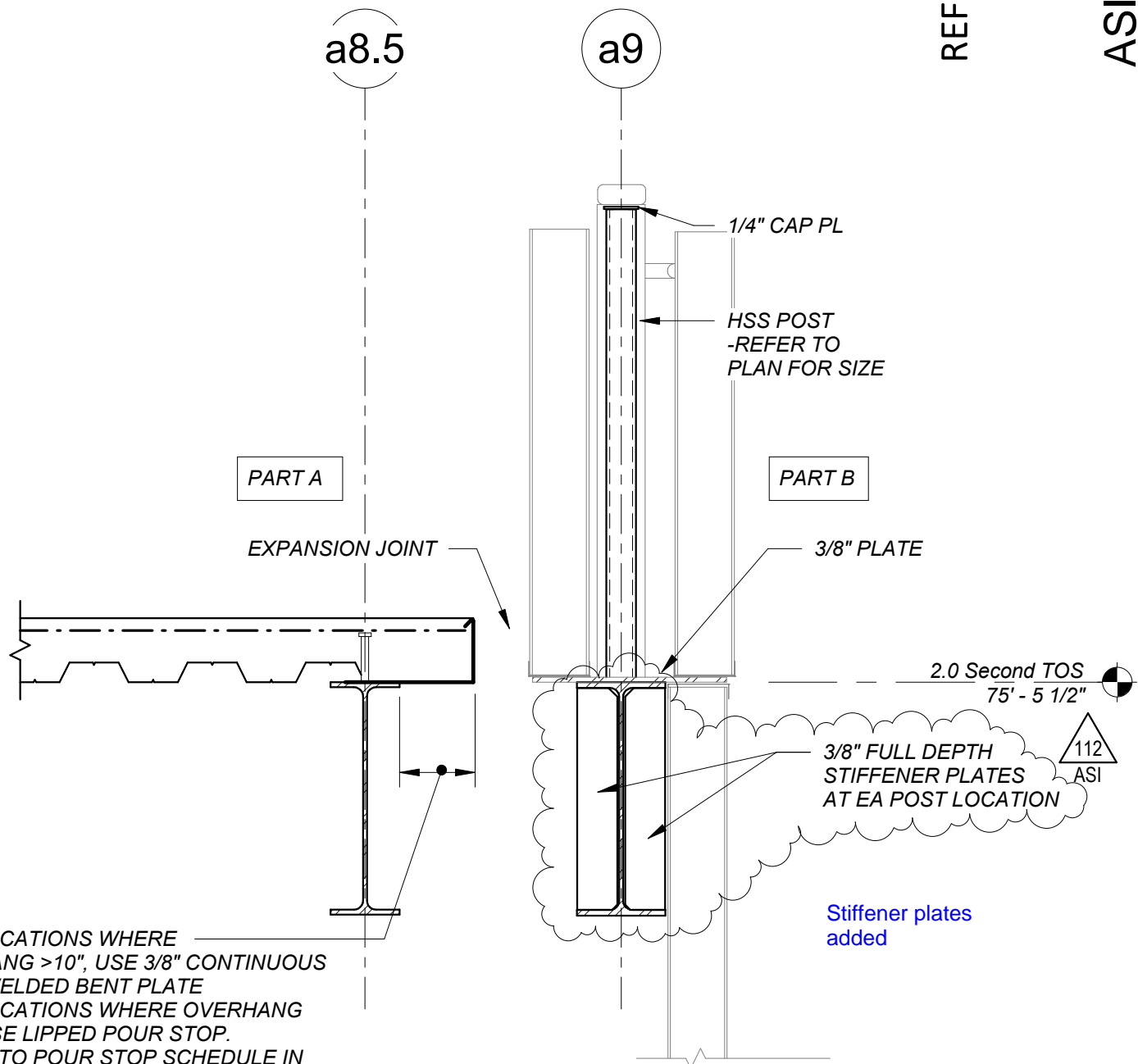
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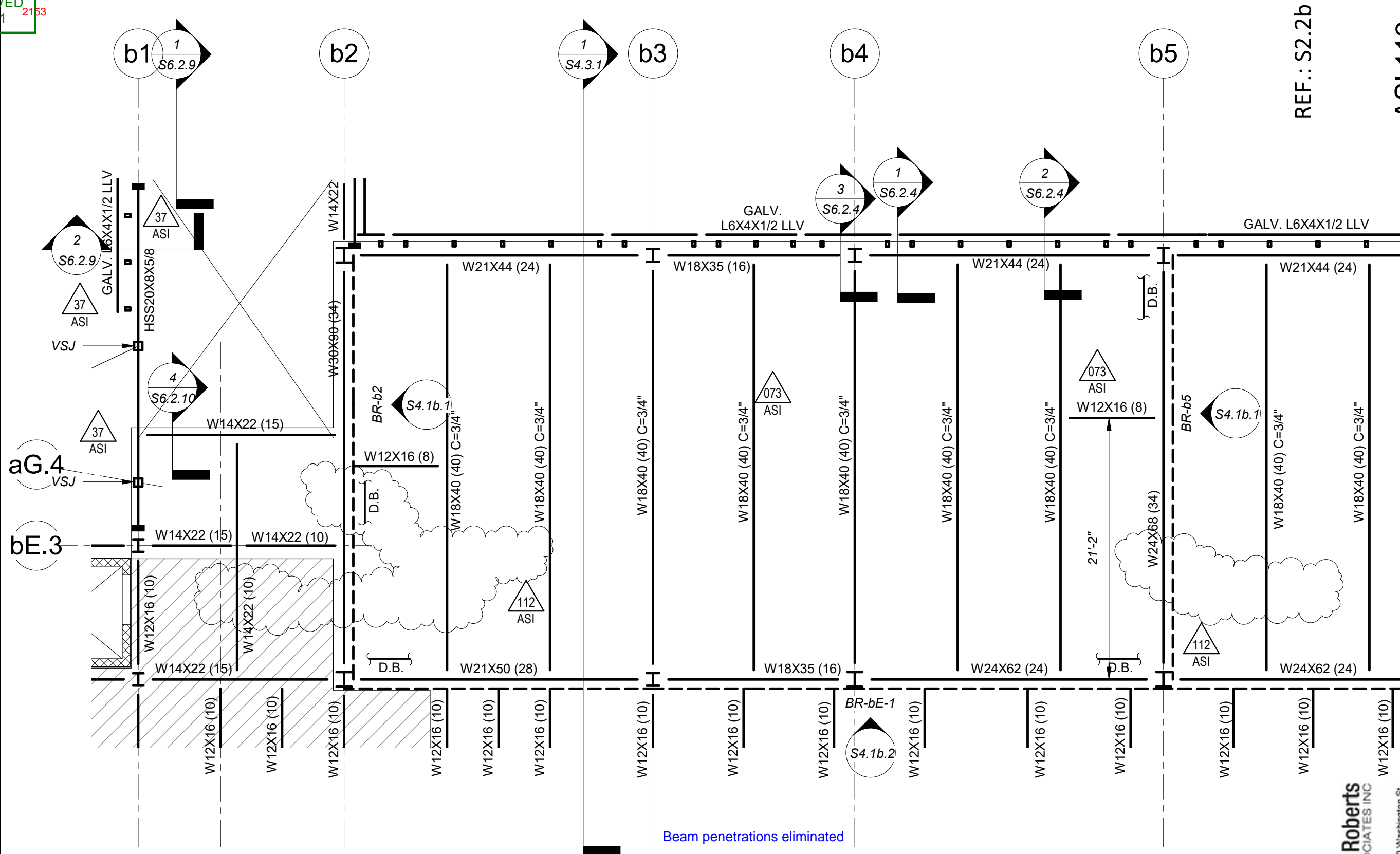
SECOND FLOOR FRAMING PLAN - PART B
1/8" = 1'-0"



-FOR LOCATIONS WHERE OVERHANG >10", USE 3/8" CONTINUOUS SHOP WELDED BENT PLATE
-FOR LOCATIONS WHERE OVERHANG ≤ 10", USE LIPPED POUR STOP.
-REFER TO POUR STOP SCHEDULE IN TYPICAL DETAILS
-TYP

7 SECTION
3/4" = 1'-0"

RECEIVED
7/1/2021 2153



REF.: S2.2b

ASI 112

CCC - CR189R1

DRAWING NUMBER
SKS
136

JOB NUMBER
2017172

ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
Revisions to Part B 2nd Floor - Removed Beam Penetrations

SCALE: 1/8" = 1'-0" DATE: 07/01/21 DRAWN: JEG CHECKED: JEG JOB NUMBER: 2017172

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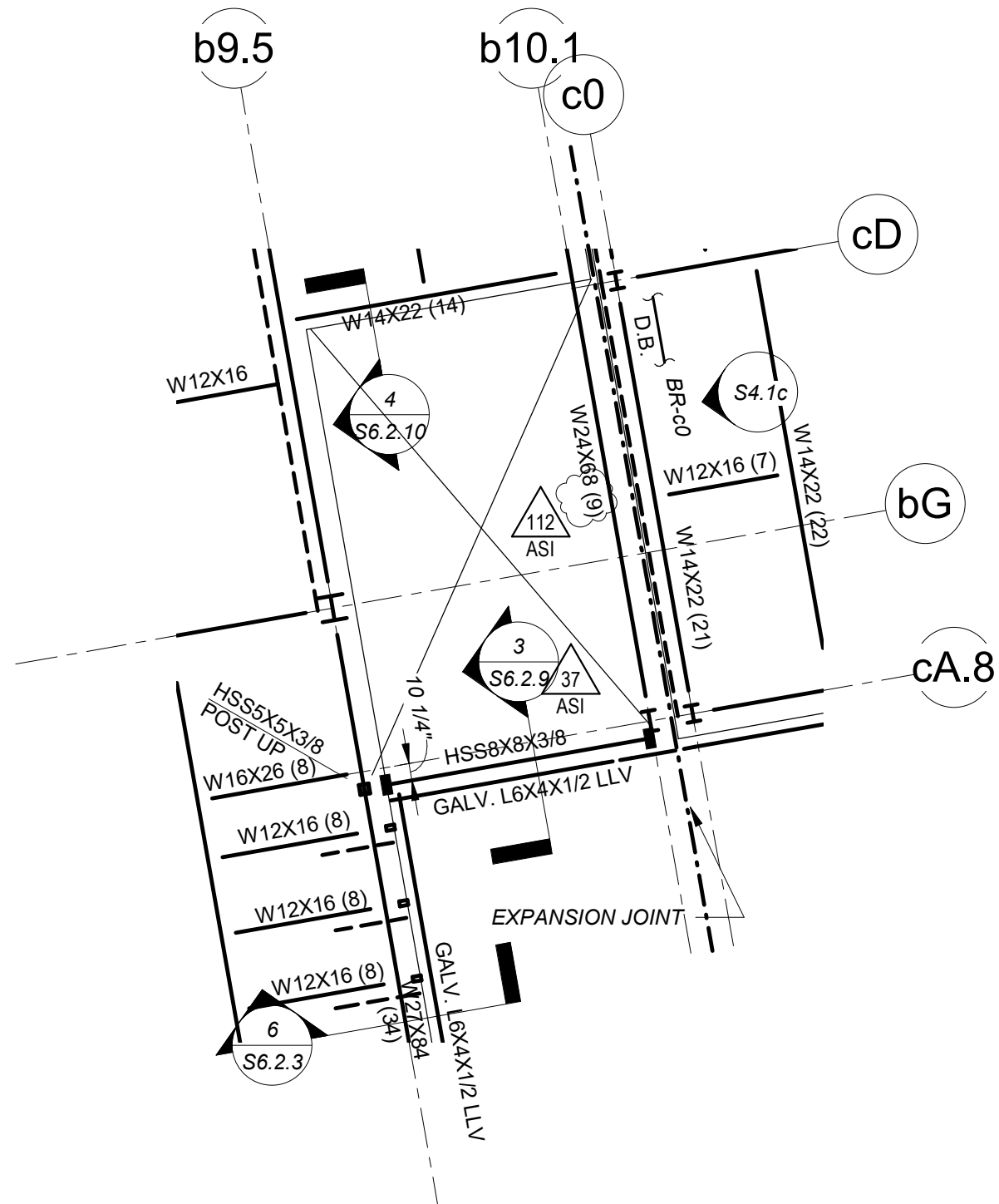
F H

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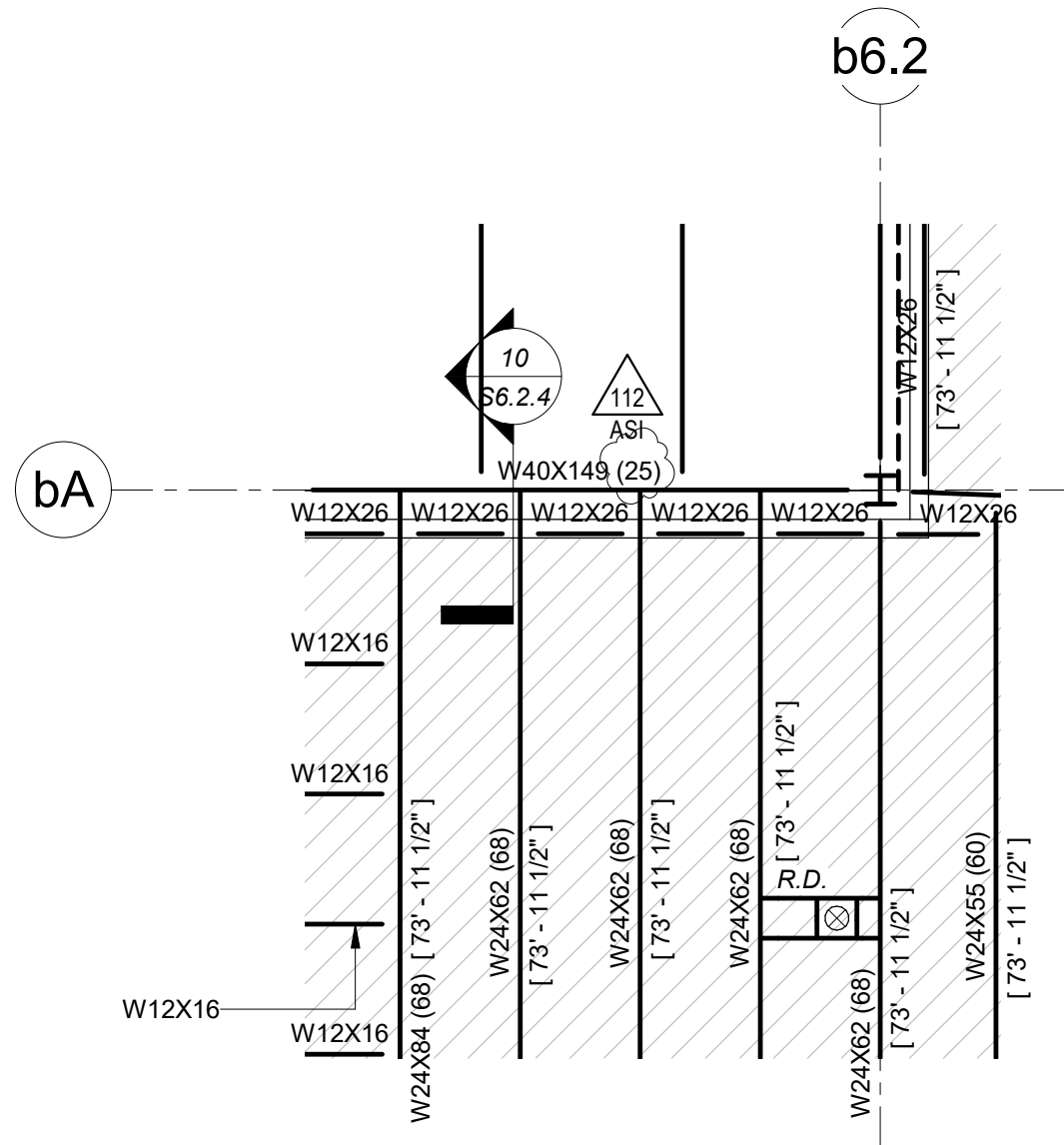
SECOND FLOOR FRAMING PLAN - PART B
1/8" = 1'-0"

RECEIVED
7/1/2021 2153



SECOND FLOOR FRAMING PLAN - PART B
1/8" = 1'-0"

shear stud information provided



SECOND FLOOR FRAMING PLAN - PART B
1/8" = 1'-0"

REF.: S2.2b

ASI 112

CCC - CR189R1

AWING NUMBER
SKS
137

JOB NUMBER 2017172

ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
Revisions to Part B 2nd Floor - Updated Shear Stud
Quantities

SCALE: 1/8" = 1'-0" DATE: 07/01/21 DRAWN: JEG CHECKED: JEG



Foley Buhl Roberts
& ASSOCIATES INC.

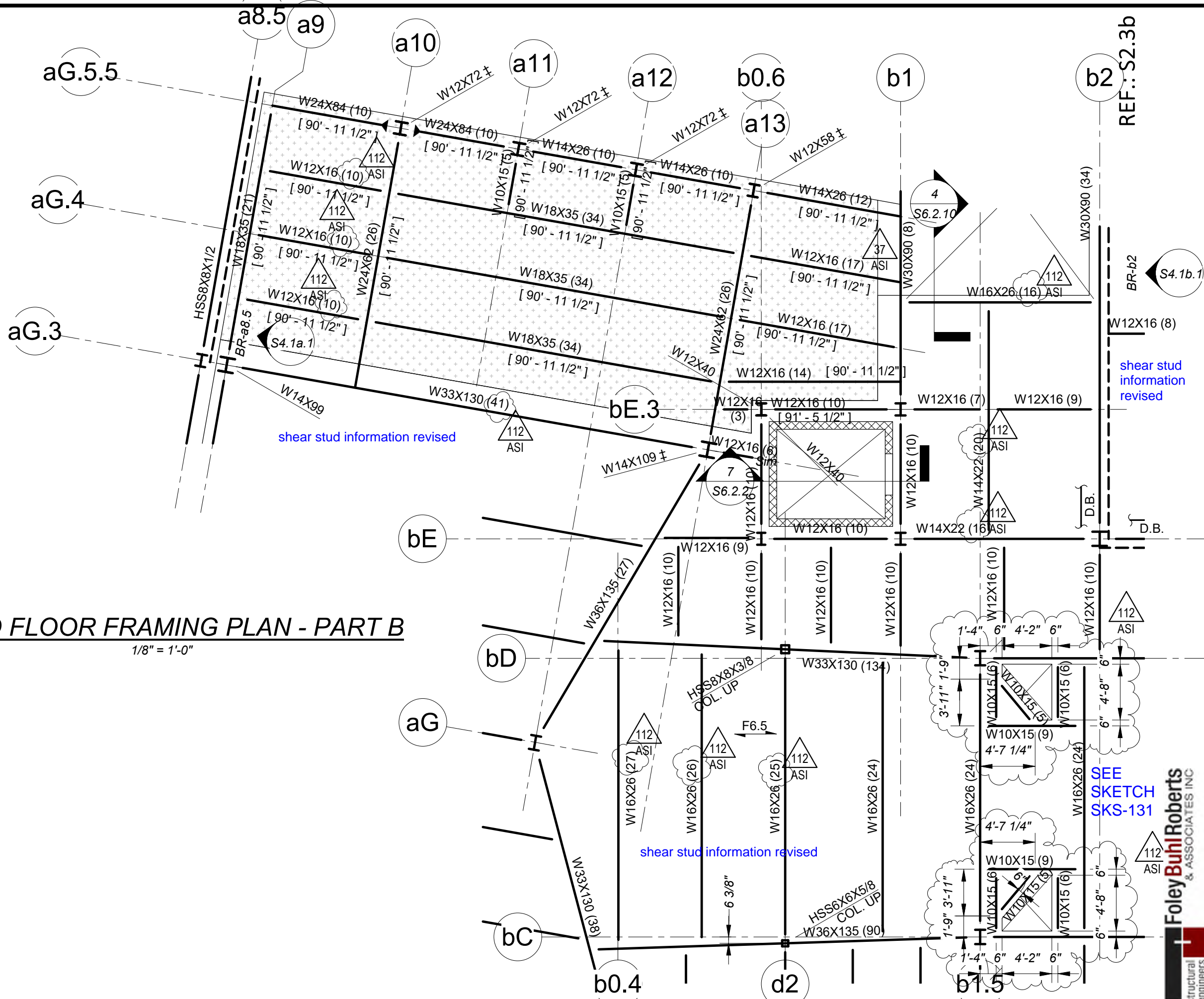
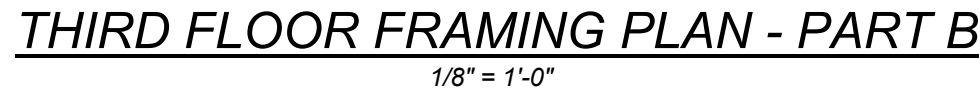
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F 617-527-9806
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shear stud
information
revised

SEE
SKETCH
SKS-131

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STRUCTURAL & ASSOCIATES INC.

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RECEIVED
7/1/2021 2153

REF.: S2.3b

ASI 112

CCC - CR189R1

SKS 140

JOB NUMBER 2017172

ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
**Revisions to Part B 3rd Floor -
Updated Shear Stud Quantities**

SCALE: 1/8" = 1'-0" DATE: 07/01/21 DRAWN: JEG CHECKED: JEG

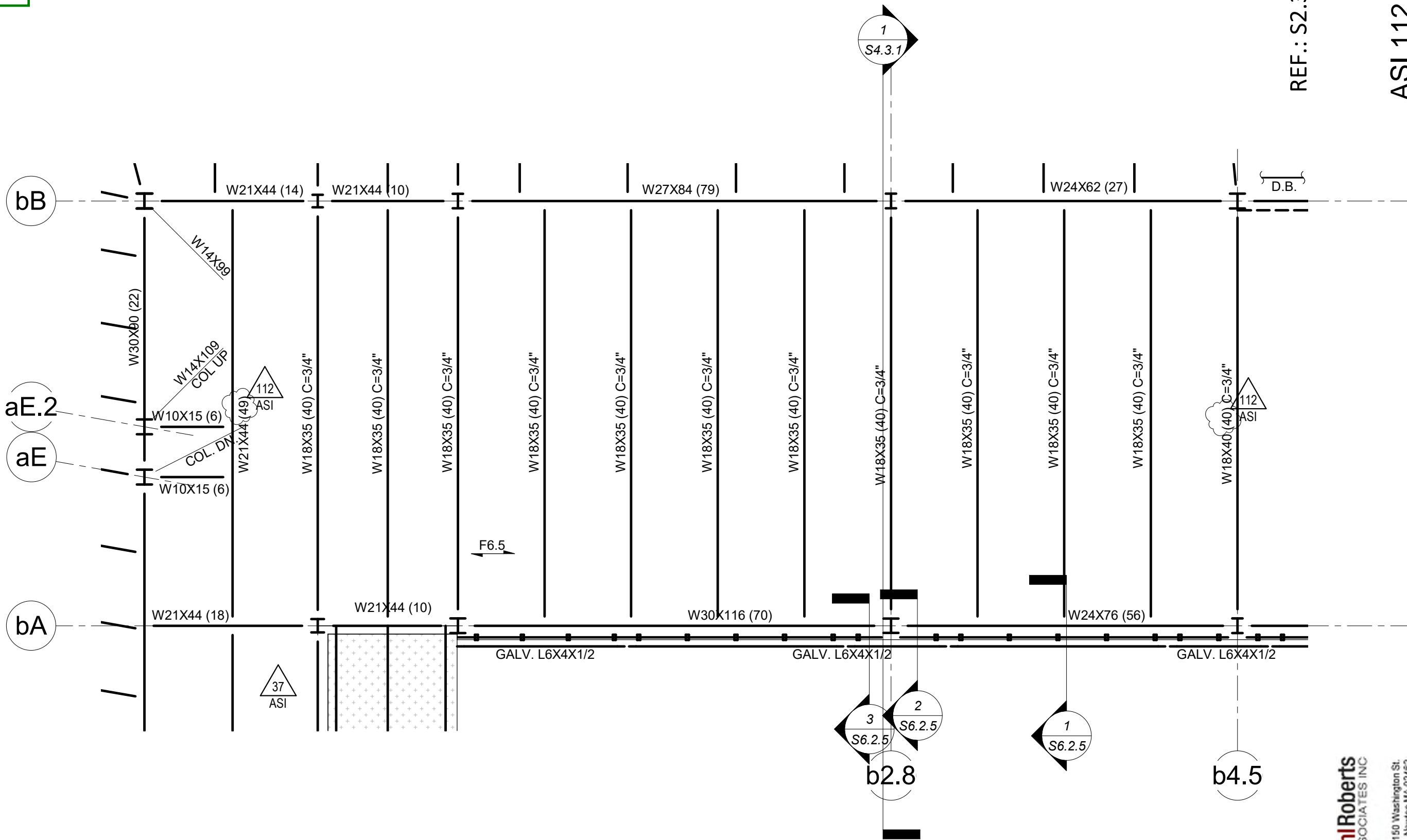
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@HMFHarch hmfh.co

@HMFHarch hmfh.com



shear stud information revised

THIRD FLOOR FRAMING PLAN - PART B

$$1/8'' = 1'-0''$$

RECEIVED
7/1/2021 2153

CCC - CR189R1

SKS 141

JOB NUMBER	2017172
------------	---------

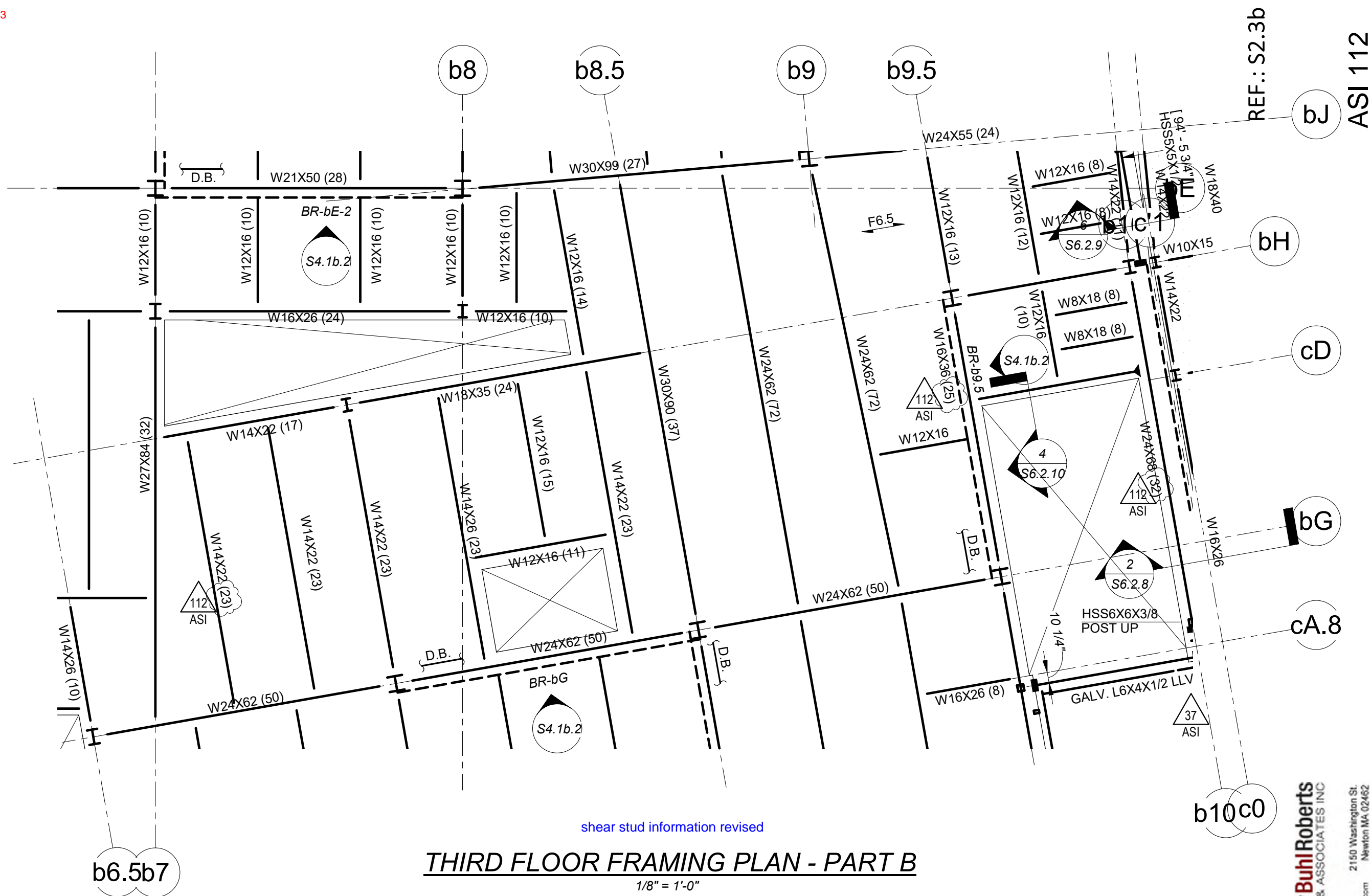
ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
**Revisions to Part B 3rd Floor -
Updated Shear Stud Quantities**

SCALE: 1/8" = 1'-0" DATE: 07/01/21 DRAWN: JEG CHECKED: JEG

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

@HMFHarch hmfh.com

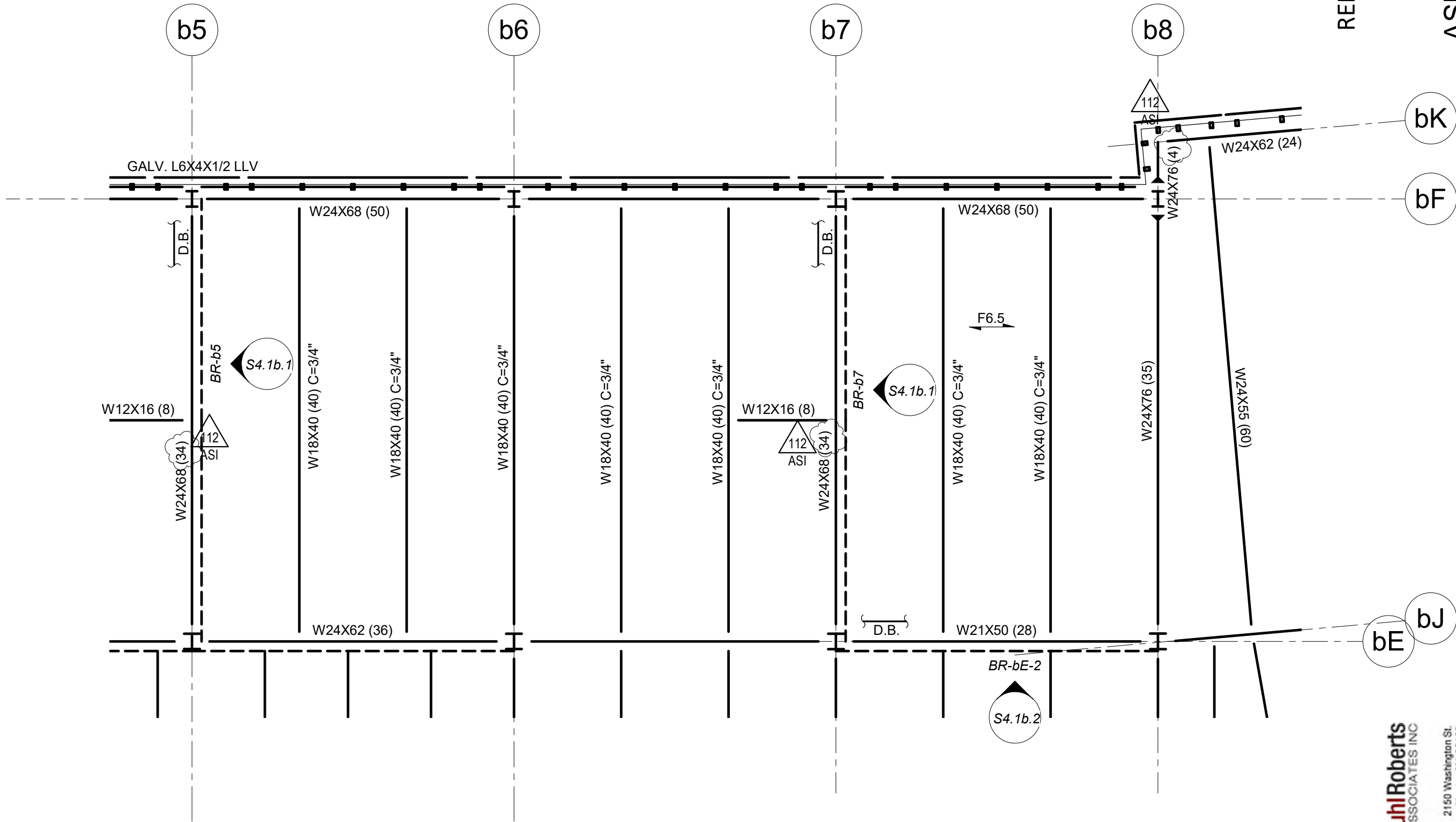


Foley Buhl Roberts
STRUCTURAL & ASSOCIATES INC.

T 617-527-9800
F 617-527-9806
www.cira.com
2150 Washington St.
Newton MA 02452

www.era.com

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REF.: S2.3b

ASI 112

CCC - CR189R1

DRAWING NUMBER
SKS
142

JOB NUMBER
2017172

ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
Revisions to Part B 3rd Floor -
Updated Shear Stud Quantities

SCALE: 1/8" = 1'-0" DATE: 07/01/21 DRAWN: JEG CHECKED: JEG

FoleyBuhlRoberts
Structural
engineers
2150 Washington St.
Newton MA 02462
T 617-527-9800
F 617-527-9806
www.fbr.com

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

HMFH

THIRD FLOOR FRAMING PLAN - PART B

1/8" = 1'-0"

shear stud information revised

RECEIVED
7/1/2021 2153

CCC - CR189R1

ASI 112

SKS
143

JOB NUMBER 20171172

ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
**Revisions to Part B 4th Floor -
Updated Shear Stud Quantities**

SCALE: 1/8" = 1'-0" DATE: 07/01/21 DRAWN: JEG CHECKED: JEG



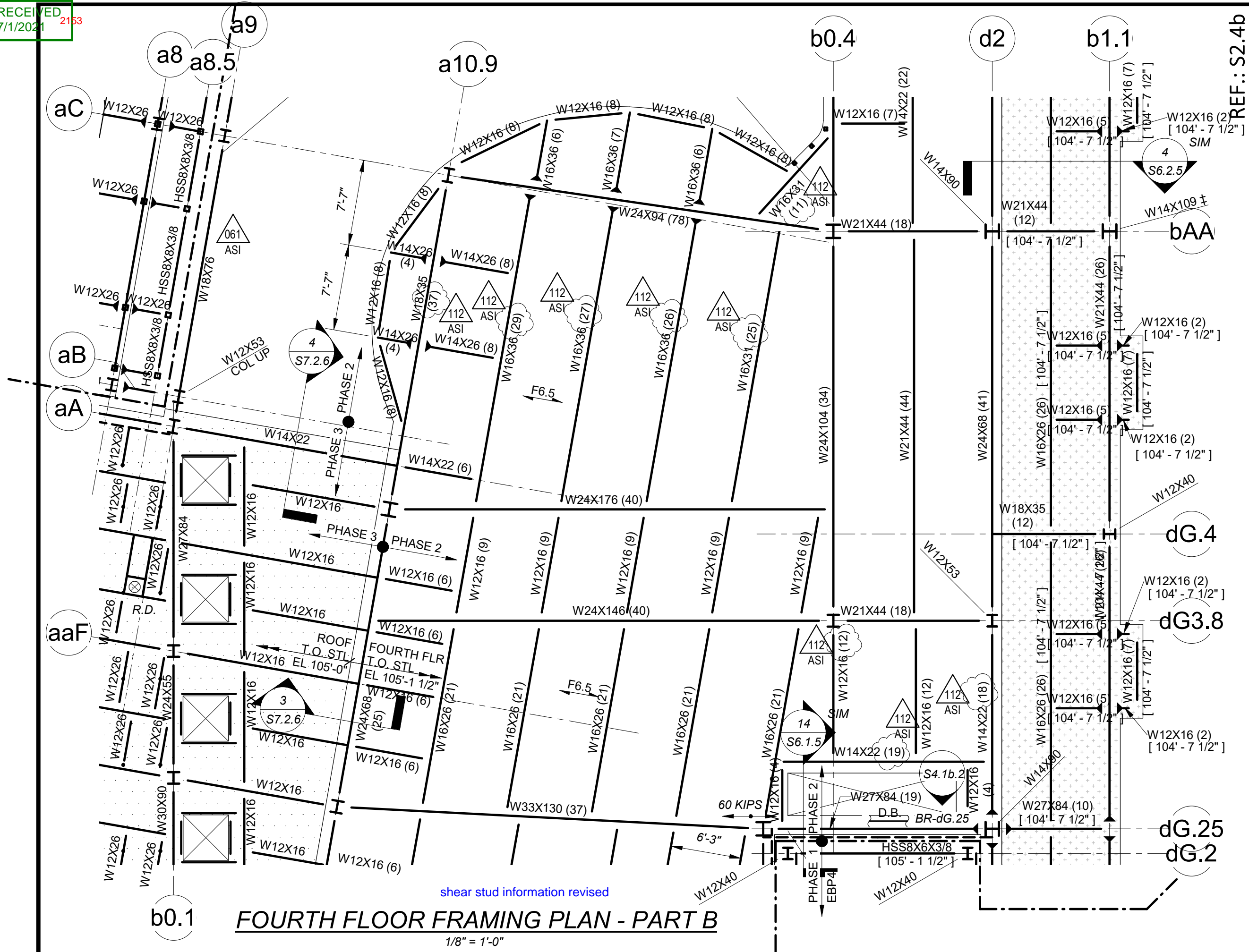
Foley Buhl Roberts
& ASSOCIATES INC
structural
engineers

T 617-527-9800
F 617-527-9806
www.era.com
2150 Washington St.
Newton MA 02452

HMFH ARCHITECTS

H M F H
130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

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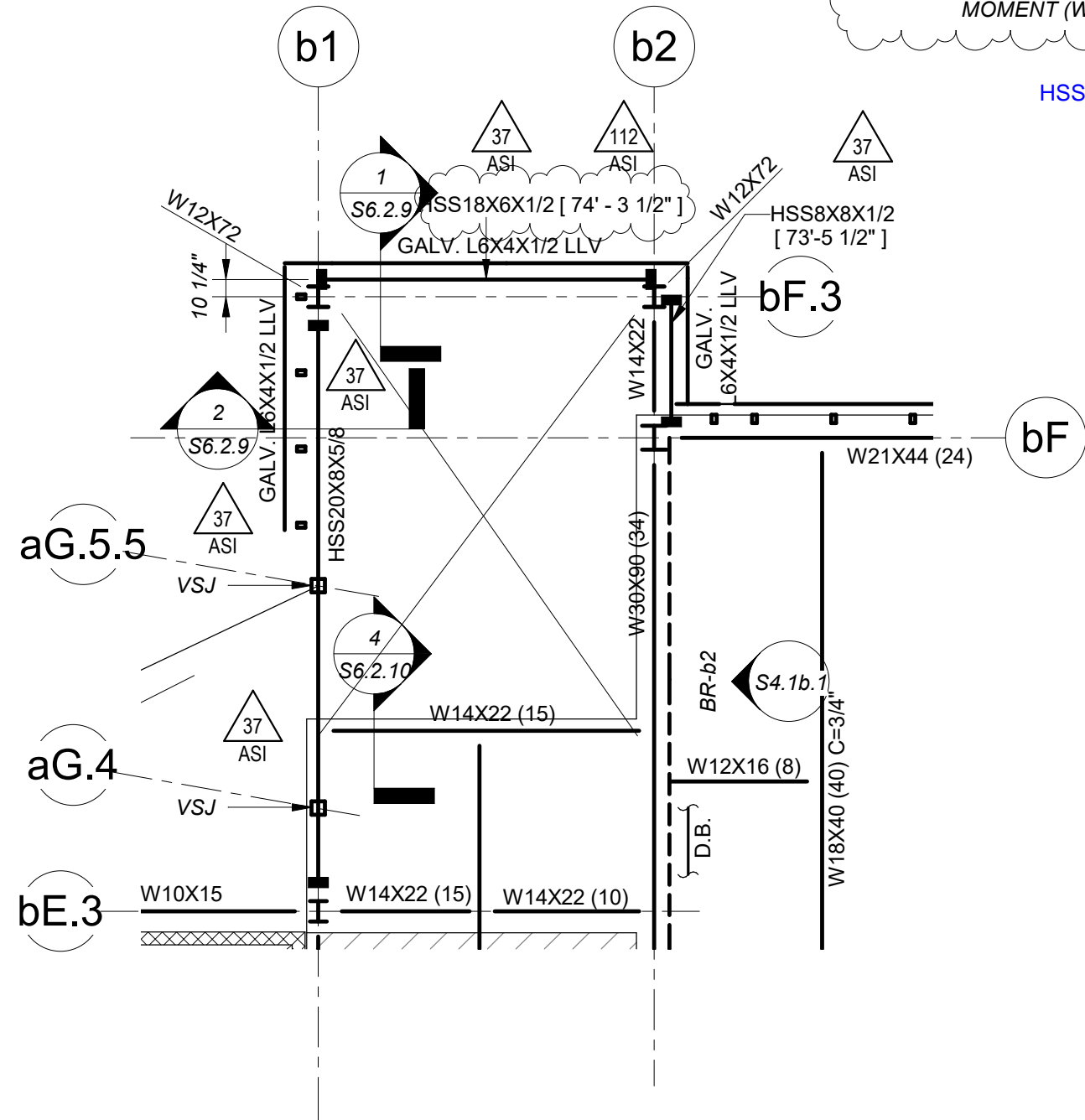


REF.: S2.4b

shear stud information revised

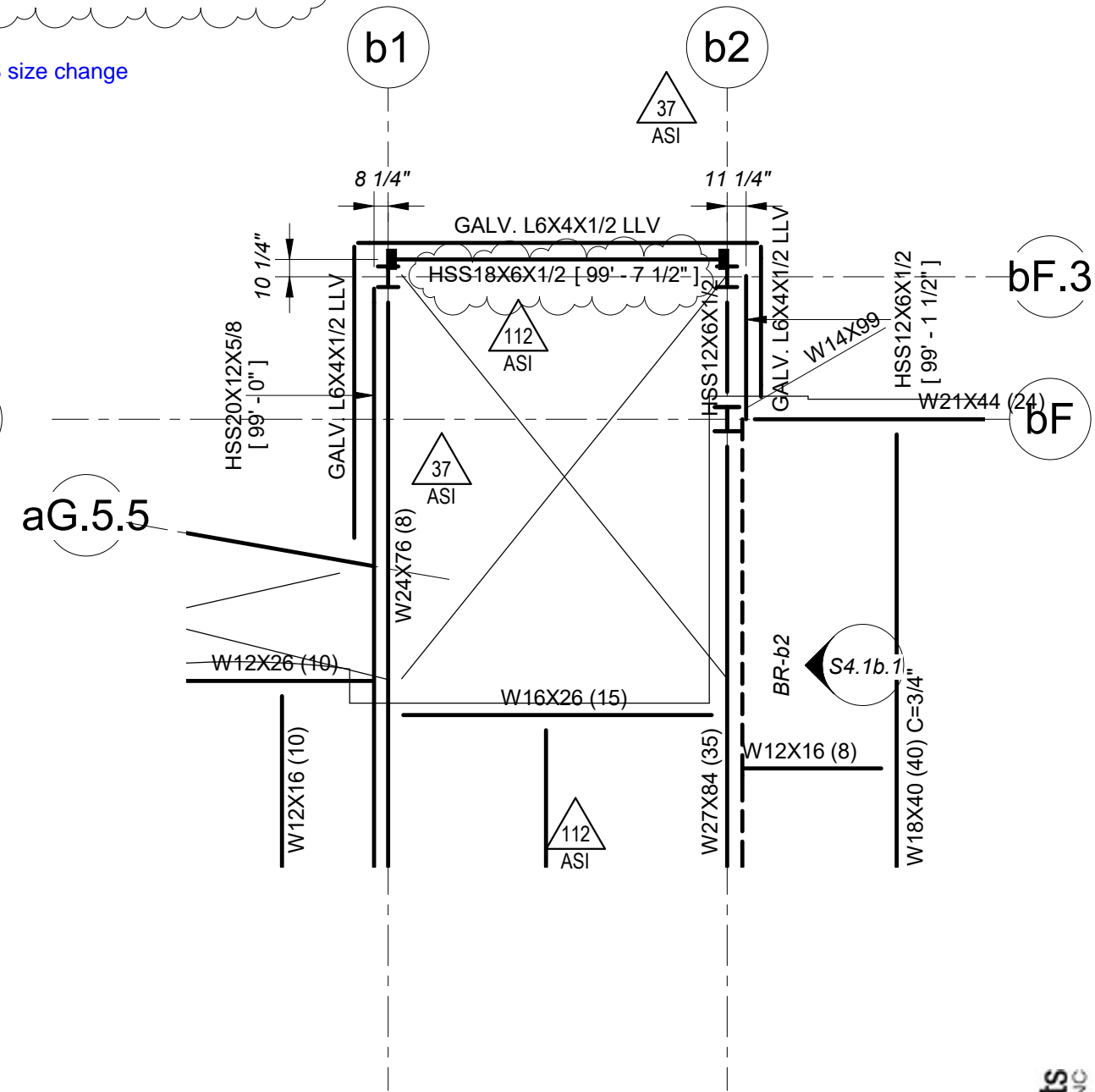
FOURTH FLOOR FRAMING PLAN - PART B

$$1/8'' = 1'-0''$$



SECOND FLOOR FRAMING PLAN - PART B

1/8" = 1'-0"



FOURTH FLOOR FRAMING PLAN - PART B

1/8" = 1'-0"

REF.: S2.2b
S2.4b

ASI 112

CCC - CR189R1

DRAWING NUMBER
SKS
145
JOB NUMBER
2017172

ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
Revisions to Part B 2nd Floor and 4th Floor -
Updated HSS size and TOS elevation at Stair 1

FoleyBuhlRoberts
& ASSOCIATES INC.
structural engineers
2150 Washington St.
Newton MA 02462
T 617-527-9800
F 617-527-9806
www.fbr.com

HMFH ARCHITECTS
130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
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RECEIVED
7/1/2021 2153

112
ASI

**NOTE: HSS18X6X1/2 CONNECTIONS TO BE
DESIGNED FOR THE FOLLOWING ASD LOADS:**
SHEAR (VERTICAL) = 15 K
SHEAR (WIND / HORIZONTAL) = 15 K
MOMENT (TORSION) = 15 FT KIPS
MOMENT (WEAK/WIND) = 30 FT KIPS

REF.: S2.5b
S6.2.9

ASI 112

CCC - CR189R1

WING NUMBER
SKS
146

JOB NUMBER 2017172

ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
Revisions to Part B 5th Floor - Updated HSS size & TOS el
Updated Sect 1/S6.2.9

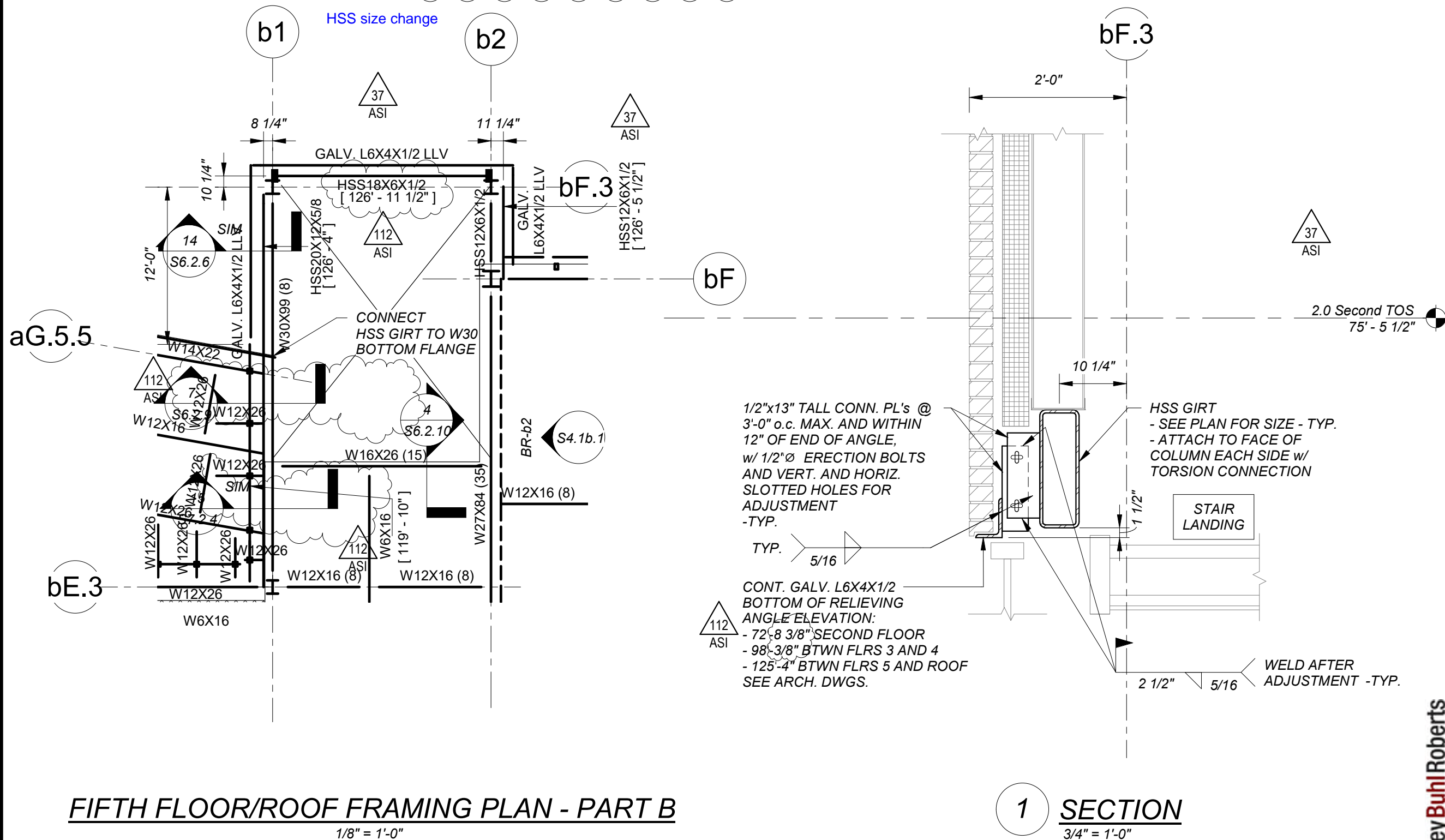
SCALE: As indicated DATE: 06/29/21 DRAWN: IEG CHECKED: IEG

Foley Buhl Roberts
STRUCTURAL & ASSOCIATES INC.

T 617-527-9600
F 617-527-9606
www.enr.com
2150 Washington St.
Newton MA 02452

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
817 492 2200
@HMFHarch hmfh.com



FIFTH FLOOR/ROOF FRAMING PLAN - PART B
1/8" = 1'-0"

1 **SECTION**
3/4" = 1'-0"

RECEIVED
7/1/2021 2153

CCC - CR189R1

DRAWING NUMBER

SKS 147

JOB NUMBER

2017172

ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
Revisions to Part B Roof - Updated beam size, New SIM
section cut, Updated shear stud quantities

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

Σ I
I L

CCC - CR189R1

DRAWING NUMBER

SKS 147

JOB NUMBER

2017172

ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
Revisions to Part B Roof - Updated beam size, New SIM
section cut, Updated shear stud quantities

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

Σ I
I L

H M
F H

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

ASI: 112 112.1
date: 7.1.2021 07/14/2021
subject: Misc Steel, concrete revisions Part b
to: Chris Weber **from:** Arthur Duffy
project id: 408417
project: Arlington High School
distribution: ☒ Skanska ☒ Consigli
☒ HMFH Architects ☒ Other: FBRA
reference: Drawings A2,7b, A2.7c, A2.7d, A2.6e, A2.7f.
S2.2b, S2.3b, S2.4b, S2.5b, S2.6b, S2.8, S3.1b, S6.2.9.
attachments: Sketches SKA-104a and SKA-104b, SKS-131 through SKS-147
Revised sketch SKS-146R1

RECEIVED
7/14/2021
OFFICE. (617) 492 2200
FAX. (617) 876 9775

130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

Miscellaneous steel and concrete changes Part b
Revised sketch SKS-146R1- dimension (elevation) revision

REF.: S6.2.9

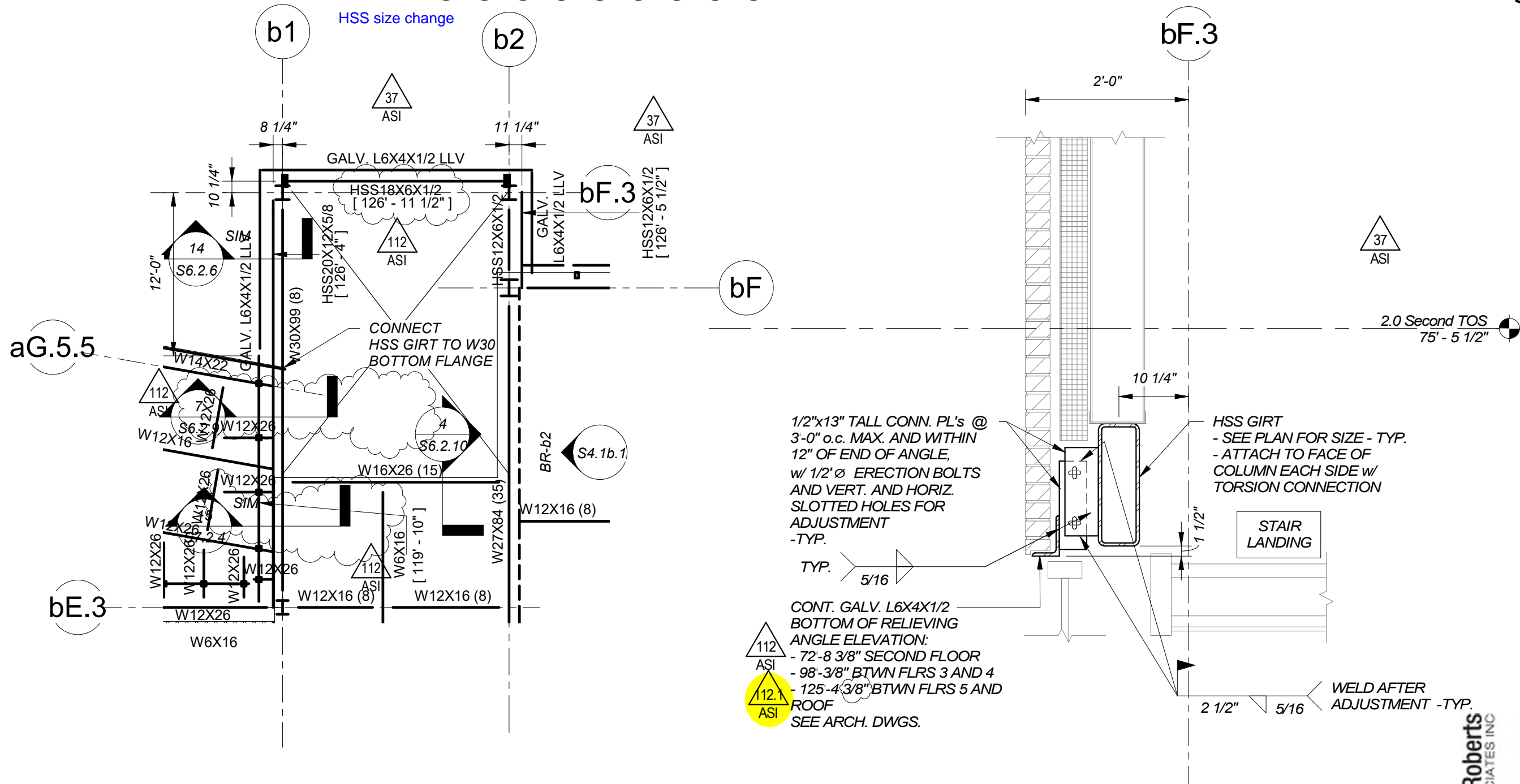
ASI 112.1

CCC - CR189R1

SKS

DRAWING NUMBER

JOB NUMBER 2017172


$$1/8'' = 1'-0''$$

1 SECTION
3/4" = 1'-0"

ARLINGTON HIGH SCHOOL
Massachusetts Avenue, Arlington, Massachusetts
**Revisions to Section 1/S6.2.9 - Revised Relieving Angle
Elevation**

HMFH ARCHITECTS

Σ I
I L

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

TX-COR-1008 (ASI-112 + 112.1)

CHANGE ORDER REQUEST

2021-07-26 21008 ARLINGTON PHASE 2 & 3
Date Folder Project

CONSIGLI CONSTRUCTION CO INC.
Client

Description

Cost adjustments for ASI-112 and 112.1

CODE	QUANTITY	DESCRIPTION	ITEM	UNIT PRICE	PRICE
	1 536,0 lbs	Steel - NM		1,35	2 073,60
	6,5 hrs	Fabrication - NM		85,00	552,50
	,8 ton	Installation -NM		1 650,00	1 270,50
	29,0 hrs	Drafting - NM		65,00	1 885,00
	9,0 hrs	Engineering - NM		120,00	1 080,00
	1,0	Bonding - NM		60,00	60,00
	3,0 hrs	Coordination - NM		110,00	330,00
	1 536,0 tr	Site Transport - NM		0,10	153,60

PRICE GOOD FOR 10 DAYS

If a P.O. is necessary to proceed with the above mentioned work, please forward immediatly via fax before beginning of work. If we do not receive a P.O. we will consider that you accept our price and that you authorize us to perform the extra work wich will be fully paid and compasated.

SUBTOTAL (USD) : 7 399,76

10,0% overhead&Profit : 739,98

TOTAL (USD) : 8 139,74

Arlington High School

TX-COR-1008 - ASI 112 & 112.1

EXTRA					CREDIT				
Location	QTY	Description	length (FT)	Total weight	QTY	Description	length (FT)	Total weight	Comments
SKS 131 (S2,2b)									
1-W10x15 Added	1	W10x 15	4,59	68,85					
1-W10x15 Added	1	W10x 15	5,59	83,85					
2-W10x15 Shorter					2	W10x 15	0,5	15	
SKS 131 (S2,3b)									
3-W10x15 Shorter					3	W10x 15	0,5	22,5	
2-W10x15 Added	2	W10x 15	5,59	167,7					
1-W10x15 Added	1	W10x 15	8,34	125,1					
1-W10x15 Added	1	W10x 15	4,91	73,65					
SKS 132									
4-W10x15 Added	4	W10x 15	5,75	345					
SKS 133									
2-W10x15 Added	2	W10x 15	5,75	172,5					
2-W10x15 Added	2	W10x 15	7,25	217,5					
SKS 135									
6-Flat 4x3/8 Added	4	Flat 4x3/8 30,62	2	244,96					
SKS 136									
4-Flat 5x1/2 Removed					4	Flat 5x1/2 8,51	4	136,16	
4-PL 5/8x5 Removed					4	PL 5/8x5 10,64	4	170,24	
4-Flat 2 1/2 x 3/8 Removed					4	Flat 2 1/2x3/8 3,19	4	51,04	
SKS 145(S2,2b)									
1-HSS 16x8x1/2 Changed to HSS 18x6x1/2	1	HSS 18x6x1/2 76,07	16,67	1268,0869	1	HSS 16x8x1/2 76,07	16,67	1268,0869	
SKS 145(S2,4b)									
1-HSS 16x8x1/2 Changed to HSS 18x6x1/2	1	HSS 18x6x1/2 76,07	16,67	1268,0869	1	HSS 16x8x1/2 76,07	16,67	1268,0869	
SKS 145(ASI 112,1)									
1-HSS 16x8x1/2 Changed to HSS 18x6x1/2	1	HSS 18x6x1/2 76,07	16,67	1268,0869	1	HSS 16x8x1/2 76,07	16,67	1268,0869	
SKS 147									
1-W6x16 Longer	1	W6x 16	1,5	24					
1-W6x16 Longer	1	W6x 16	1,83	29,28					

TX-COR-1008 (ASI-112 + 112.1)

CHANGE ORDER REQUEST

2021-07-26 21008 ARLINGTON PHASE 2 & 3
Date Folder Project

CONSIGLI CONSTRUCTION CO INC.
Client

Description

Cost adjustments for ASI-112 and 112.1

CODE	QUANTITY	DESCRIPTION	ITEM	UNIT PRICE	PRICE
	1 536,0 lbs	Steel - NM		1,35	2 073,60
	7,0 hrs	Fabrication - NM		85,00	595,00
	,8 ton	Installation -NM		1 650,00	1 270,50
	29,0 hre	Drafting - NM		65,00	1 885,00
	9,0 hrs	Engineering - NM		120,00	1 080,00
	1,0	Bonding - NM		60,00	60,00
	3,0 hrs	Coordination - NM		110,00	330,00
	1 536,0 tr	Site Transport - NM		0,10	153,60

SKS 134 - intumescent paint removed at two columns - any credit for this?

Very negligible but will remove 0.5 hr of fabrication.

PRICE GOOD FOR 10 DAYS

If a P.O. is necessary to proceed with the above mentioned work, please forward immediatly via fax before beginning of work. If we do not receive a P.O. we will consider that you accept our price and that you authorize us to perform the extra work wich will be fully paid and compasated.

SUBTOTAL (USD) : 7 442,26
10,0% overhead&Profit : 744,23
TOTAL (USD) : 8 186,49

Arlington High School

TX-COR-1008 - ASI 112 & 112.1

EXTRA					CREDIT				
Location	QTY	Description	length (FT)	Total weight	QTY	Description	length (FT)	Total weight	Comments
SKS 131 (S2,2b)									
1-W10x15 Added	1	W10x 15	4,59	68,85					
1-W10x15 Added	1	W10x 15	5,59	83,85					
2-W10x15 Shorter					2	W10x 15	0,5	15	
SKS 131 (S2,3b)									
3-W10x15 Shorter					3	W10x 15	0,5	22,5	
2-W10x15 Added	2	W10x 15	5,59	167,7					
1-W10x15 Added	1	W10x 15	8,34	125,1					
1-W10x15 Added	1	W10x 15	4,91	73,65					
SKS 132									
4-W10x15 Added	4	W10x 15	5,75	345					
SKS 133									
2-W10x15 Added	2	W10x 15	5,75	172,5					
2-W10x15 Added	2	W10x 15	7,25	217,5					
SKS 135									
6-Flat 4x3/8 Added	4	Flat 4x3/8 30,62	2	244,96					
SKS 136									
4-Flat 5x1/2 Removed					4	Flat 5x1/2 8,51	4	136,16	
4-PL 5/8x5 Removed					4	PL 5/8x5 10,64	4	170,24	
4-Flat 2 1/2 x 3/8 Removed					4	Flat 2 1/2x3/8 3,19	4	51,04	
SKS 145(S2,2b)									
1-HSS 16x8x1/2 Changed to HSS 18x6x1/2	1	HSS 18x6x1/2 76,07	16,67	1268,0869	1	HSS 16x8x1/2 76,07	16,67	1268,0869	
SKS 145(S2,4b)									
1-HSS 16x8x1/2 Changed to HSS 18x6x1/2	1	HSS 18x6x1/2 76,07	16,67	1268,0869	1	HSS 16x8x1/2 76,07	16,67	1268,0869	
SKS 145(ASI 112,1)									
1-HSS 16x8x1/2 Changed to HSS 18x6x1/2	1	HSS 18x6x1/2 76,07	16,67	1268,0869	1	HSS 16x8x1/2 76,07	16,67	1268,0869	
SKS 147									
1-W6x16 Longer	1	W6x 16	1,5	24					
1-W6x16 Longer	1	W6x 16	1,83	29,28					

TX-COR-1008 - ASI 112 & 112.1





Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR203
Date: 7/27/21
Job: 2153 Arlington High School
Phone:

Description: ASI-121 - Chase Wall Revisions Abutting Locker Pod - Bldg. B_Sub. 11521

Source: ASI # 121

We offer the following specifications and pricing to make the changes as described below:

**CR203R1 includes Colony Drywall revised pricing reflecting adjustments to HMFH/Skanska comments and discussions dated 11/29/21. Please see attached pricing and associated backup for additional information.

CR203 includes costs associated with ASI-121 - Chase Wall Revisions Abutting Locker Pod - Bldg. B dated 7/20/21 issued by HMFH. CR203 includes Colony Drywall proposal issuing credit for deleted 08A and 01A scheduled partition types at L2-5 of Bldg. B locker pods, as well as added cost for incorporating 10A partition types with 2hr fire rating added to Type 03A partitions. Per Colony narrative, the Type 10A partitions cannot be constructed due to the radius restrictions and therefore these areas would have to be Fire Rated 03A types. Please see attached pricing and associated backup for additional information.

Assumptions & Qualifications:

- Costs associated with overtime/acceleration are not included.
- CR203 includes costs associated with Colony framing costs only. Changes to adjacent finishes/MEPs will be captured under separate cover if required.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Colony Drywall - COP#62R1 dated 3/16/22				\$33,000.00		\$33,000.00
					Subtotal:	\$33,000.00
		Bond (.75%)		\$33,000.00		\$247.50
		General Liability (1.2%)		\$33,000.00		\$396.00
		Subguard (1.4%)		\$33,000.00		\$462.00
		OH&P (5% subs, 10% self perform)		\$34,105.50		\$1,705.28
					Total:	\$35,810.78

☐ SCHEDULE IMPACT

☐ We have proceeded with this change to achieve schedule.

☒ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.
CONTRACTOR
72 Sumner Street

OWNER

(Signature)

Arthur Duffy

By

04/12/2022

Date

(Signature)

John LaMarre

By

4/12/22

Date

(Signature)

Jim Burrows

By

4/12/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Portland ME • Milford MA



PAGE 2:

~~March 16, 2022~~

Consigli Construction 19 State Road, Unit #1, Westport, MA 02790
72 Sumner Street (508) 677-9880 • Fax (508) 679-9006
Milford, MA 01757
ATT: Chris Weber/ John Lamarre
Re: Arlington High School
ASI 121

CHANGE ORDER PROPOSAL NO. 62 REVISED

CREDIT:

10 PC 6" STUDS 14'
 60 PC 6" Studs 16'
 20pc 6" Track
 20 pc 6" Deeptrack
 50 pc 4x12x5/8 GWB
 6 pc Compound
 (1 Carpenter 40 hrs @ 105.14)
 (1 Taper 32 hrs @ 106.96)
 (1 Laborer 12 hrs @ 85.88)

ADD:

85 PC 1" x 2' X 10' Shaftliner
 30 pc 4" JRunner
 60 pc 4" CH Stud
 12 pc 6" Track
 12 pc 6" Deep Track
 100 pc 6" Studs
 130 pc Drywall
 6 pc Compound
 4 pc Firestopping
 4 pc Mineral Wool Insulation
 1 Carpenter 190 hrs @ 105.14
 1 Taper 45 hrs @ 106.96
 1 Laborer 50 hrs @ 85.88
 7.5 % Labor Escalation

+ 29,083.80 ✓

LABOR: \$ (8,658.88) ✓

(on labor delta only \$20,424.92) 7.5 Escalation + 1,531.87 ✓

+ 12,275.00 ✓

MATERIAL: \$ (2,470.00) ✓

SUBTOTAL: \$ 31,761.79 ✓

OVERHEAD & PROFIT: \$ 3,176.17 ✓

~~Total: \$ 34,937.96~~ ✓

\$33,000

\$33,000

THIS AMOUNT ~~\$ 34,937.96~~ IS TO BE ADDED TO THE ORIGINAL CONTRACT AMOUNT.

Mario Sousa
Project Manager

Jeffrey Arruda

Estimator

jeff.colony@yahoo.com

Patricia Moniz

Executive

pat.colony@yahoo.com

Kelly Silva

Executive Assistant

kelly.colony@yahoo.com

Mario Sousa

Project Manager

marios.colony@yahoo.com

Weber, Chris

From: Mario Sousa <marios.colony@yahoo.com>
Sent: Thursday, December 2, 2021 5:00 PM
To: Weber, Chris
Cc: Dockendorf, David; Condon, Patrick
Subject: RE: CR203 - Colony COP#62 - HMFH Comments

Chris, as discussed this afternoon, I can accept this change to a minimum of \$33,000.00.

This pricing was forecasted to be physically performed in the first quarter of 2023. With that being said, all of the material and manpower calculated as part of this change is higher than today's costs. For an example, today's metal stud price is 350% higher on average than one year ago today when the project was originally bid. The industry has forecasted construction materials to rise in the next two quarters and then somewhat flat line towards the end next year. Labor rates have a projected steady climb over the course of the next 18 months, this was also factored into pricing for this change. All in all, pricing for this ASI is close to or less than, what is projected to be cost at the time the work is to be performed. If you have any questions, feel free to contact me.

Thank You,


Mario Sousa
Project Manager
Colony Drywall Inc
1119 State Rd
Westport, Ma 02790
C.774-201-0768

From: [Weber, Chris](#)
Sent: Monday, November 29, 2021 9:22 AM
To: [Mario Sousa](#)
Cc: [Dockendorf, David](#); [Condon, Patrick](#)
Subject: CR203 - Colony COP#62 - HMFH Comments

Mario – See attached HMFH comments on COP62 – ASI-121 for your review and comment.

Thanks and let me know if you have any questions.
Chris



Chris Weber
Project Manager
m: 774.573.4072
 consigli.com



See comments within on
inserted comparison
Adds/Deducts and costing
sheets.

Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR203
Date: 7/27/21
Job: 2153 Arlington High School
Phone:

Description: ASI-121 - Chase Wall Revisions Abutting Locker Pod - Bldg. B_Sub. 11521

Source: ASI # 121

We offer the following specifications and pricing to make the changes as described below:

CR203 includes costs associated with ASI-121 - Chase Wall Revisions Abutting Locker Pod - Bldg. B dated 7/20/21 issued by HMFH. CR203 includes Colony Drywall proposal issuing credit for deleted 08A and 01A scheduled partition types at L2-5 of Bldg. B locker pods, as well as added cost for incorporating 10A partition types with 2 1/2 hour rating added to Type 03A partitions. Per Colony narrative, the Type 10A partitions cannot be constructed due to the radius restrictions and therefore these areas would have to be Fire Rated 03A types. Please see attached pricing and associated backup for additional information.

Assumptions & Qualifications:

- Costs associated with overtime/acceleration are not included.
- CR203 includes costs associated with Colony framing costs only. Changes to adjacent finishes/MEPs will be captured under separate cover if required.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Colony Drywall - COP#62 dated 8/4/21				\$35,707.89		\$35,707.89
					Subtotal:	\$35,707.89
			Bond (.75%)	\$35,707.89		\$267.81
			General Liability (1.2%)	\$35,707.89		\$428.49
			Subguard (1.4%)	\$35,707.89		\$499.91
			OH & P (5% subs, 10% self perform)	\$36,904.10		\$1,845.21
					Total:	\$38,749.31

☐ SCHEDULE IMPACT

☐ We have proceeded with this change to achieve schedule.

☒ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR

OWNER

(Signature)

(Signature)

(Signature)

John LaMarre

By

By

By

11/15/2021

Date

Date

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Portland ME • Milford MA

Weber, Chris

From: Arthur Duffy <aduffy@hmfh.com>
Sent: Monday, August 2, 2021 9:52 AM
To: Weber, Chris; Jim Burrows; Nguyen, Sy
Cc: Raymond, Hal; Clifford, Victoria; Dockendorf, David; LaMarre, John; Samya, Kevin; Donovan, Haley; McWilliams, Chuck; Rockwood, David
Subject: RE: NOC - ASI 121 Partition type changes at triangle chases part B_CR203

I'll look at alternative approached (annular space fill and FD at fill at slabs).
They have this condition at Phase 1 (10A partition on the curve). What are they doing there? (already installed right?).
They have not raised this as an issue to date
They also need to explain why a 2-sided GWB costs \$30/40K. (they own the studs and one layer GWB). Seems we can watch what they do on Phase 1 and use that to gage their 30/40K order of magnitude.

From: Weber, Chris <cweber@consigli.com>
Sent: Monday, August 2, 2021 9:26 AM
To: Arthur Duffy <aduffy@hmfh.com>; Jim Burrows <jim.burrows@skanska.com>; Nguyen, Sy <Sy.Nguyen@skanska.com>
Cc: Raymond, Hal <hal.raymond@skanska.com>; Clifford, Victoria <Victoria.Clifford@skanska.com>; Dockendorf, David <ddockendorf@consigli.com>; LaMarre, John <JLaMarre@consigli.com>; Samya, Kevin <ksamya@consigli.com>; Donovan, Haley <hdonovan@consigli.com>; McWilliams, Chuck <cmcwilliams@consigli.com>; Rockwood, David <drockwood@consigli.com>
Subject: RE: NOC - ASI 121 Partition type changes at triangle chases part B_CR203





Arthur,

Colony has reviewed ASI-121 – Chase Wall Revisions abutting Locker Pods – Bldg. B dated 7/20/21 and has flagged some issues/concerns. Changing the radius wall to a shaft wall assembly is not possible as the shaft wall assembly can not bend as typical GWB. In order to make the wall 2hr rated, it would have to be done by installing 2 layers of GWB on either side of the framing, which would need to be installed on one side prior to MEP's install. However, there would be significant cost impacts with this detail, approx. \$35-40k to F/I double layer GWB on both sides of framing at locations noted in ASI-121.

Please review and confirm if this detail is desired, or if HMFH would like to further review alternative options. We have assigned CR203 to this change for tracking.

Thanks and let me know if you have any questions.
Chris



Chris Weber
Project Manager
m: 774.573.4072




consigli.com

From: Arthur Duffy <aduffy@hmfh.com>

Sent: Tuesday, July 20, 2021 10:23 PM

To: Weber, Chris <cweber@consigli.com>; Dockendorf, David <ddockendorf@consigli.com>; LaMarre, John <JLaMarre@consigli.com>; Samya, Kevin <ksamya@consigli.com>; Martino, Alicia <amartino@consigli.com>; Martino, Scott <smartino@consigli.com>; Donovan, Haley <hdonovan@consigli.com>; McWilliams, Chuck <cmcwilliams@consigli.com>; Rockwood, David <drockwood@consigli.com>

Cc: Jim Burrows <jim.burrows@skanska.com>; Nguyen, Sy <Sy.Nguyen@skanska.com>; Raymond, Hal <hal.raymond@skanska.com>; Clifford, Victoria <Victoria.Clifford@skanska.com>; Maddie Laberge <MLaberge@hmfh.com>; Stephanie MacNeil <smacneil@hmfh.com>; Alan Pemstein <apemstein@hmfh.com>; J. Ryan Flynn <jrf@bala.com>; Jennifer E. Grymek <jgrymek@fbra.com>

Subject: ASI 121 Partition type changes at triangle chases part B

Attached is ASI 121 and sketch SKA-108 regarding revisions to partition types and locations at Part b triangle chases abutting the locker pods.

Reference also RFI 428 (partition shifts request).

Reference also ASI 112 (floor openings).

Arthur Duffy AIA

Senior Associate | 617 844 2130

HMFH ARCHITECTS

130 Bishop Allen Drive, Cambridge, MA 02139 | 617.492.2200

[web](#) | [twitter](#) | [facebook](#) | [linkedin](#)



ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS_____

ASI: 121

date: 7.20.2021

subject: Chase wall revisions at Part b abutting locker pod

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☒ Consigli
☒ HMFH Architects ☒ Other: FBRA

reference: Drawings A2.2b, A2.3b, A2.4b, A2.5b

attachments: Sketch SKA-108, RFI-426

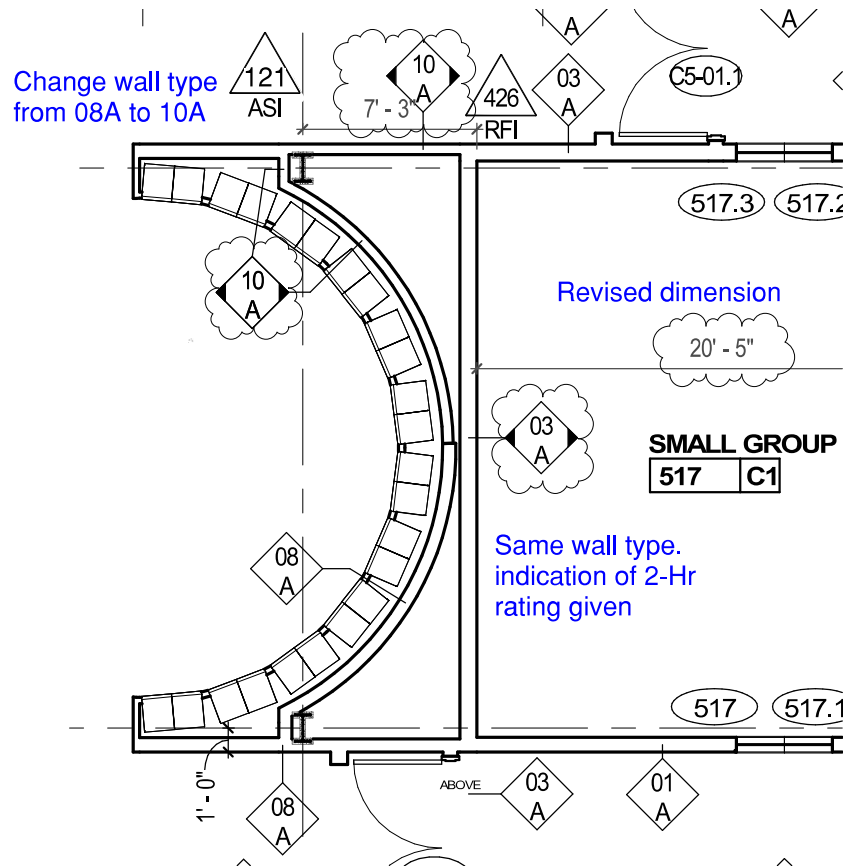
OFFICE. (617) 492 2200
FAX. (617) 876 9775

130 Bishop Allen Drive
Cambridge, MA 02139

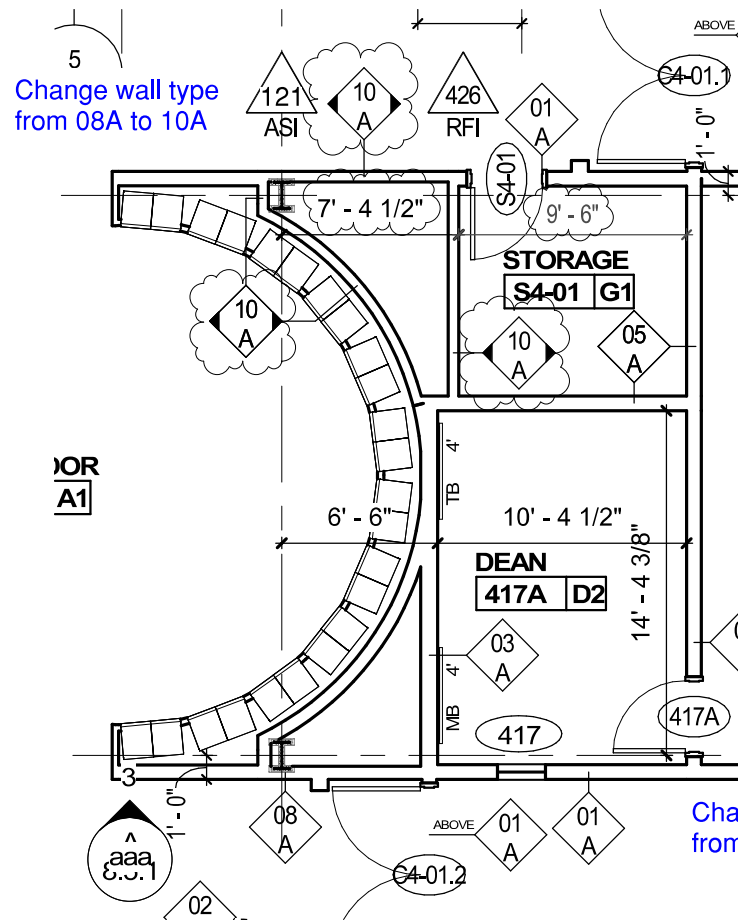
hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

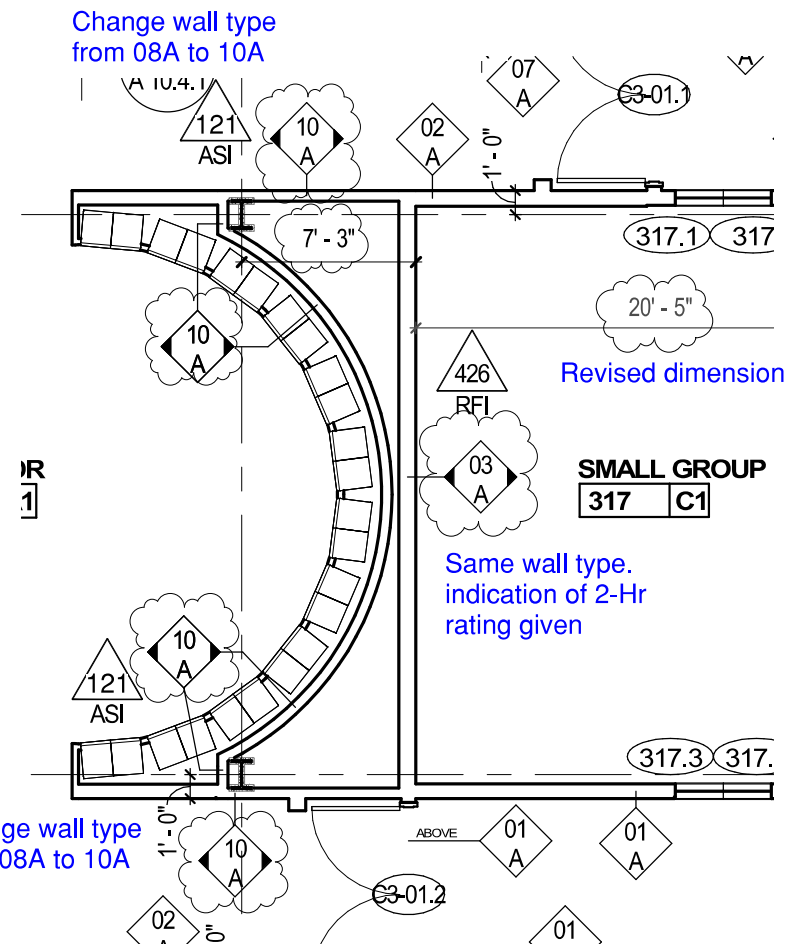
See attached SKA-108 for revisions to the chase partition types and locating dimensions at the triangle chases abutting the locker pods in Humanities wing, Part B – items are related to questions raised in RFI-426 (attached for reference).
Refer also to related ASI-112 regarding floor openings at these locations.



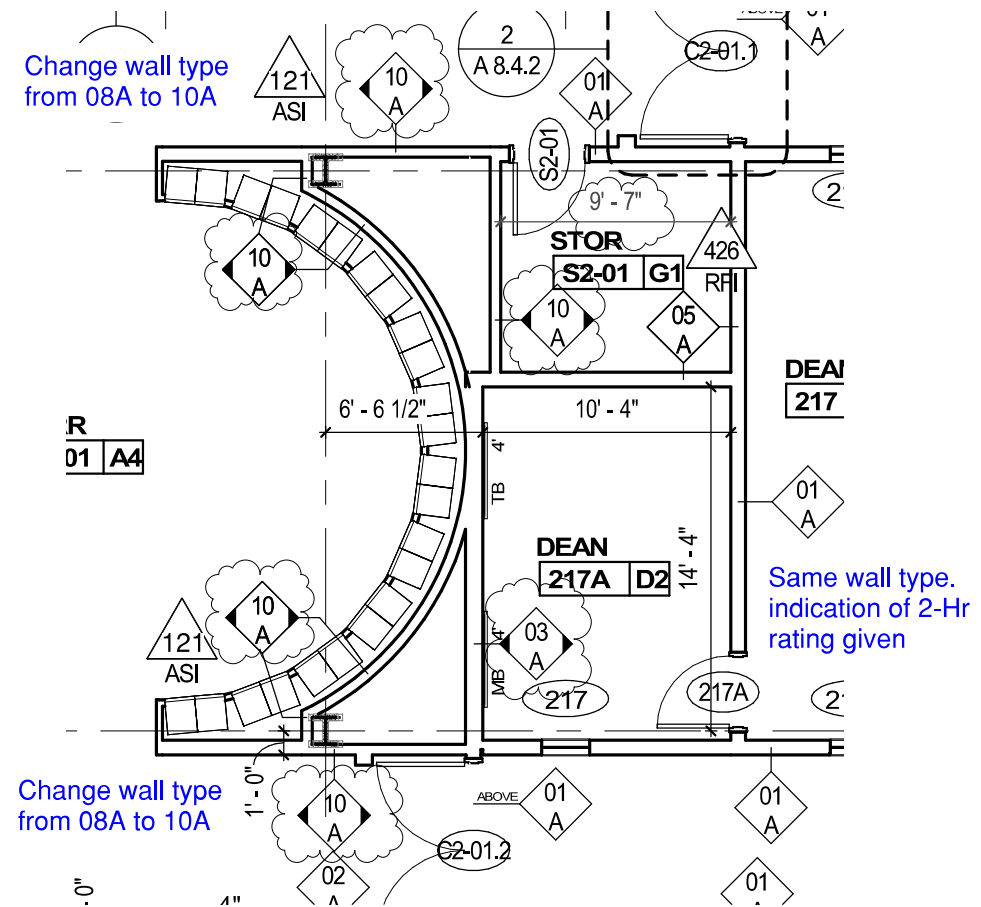
A2.5b



A2.4b



A2.3b



A2.2b

See next two pages for comparison and Adds/Deducts tallies.

RFI 426
ASI-121

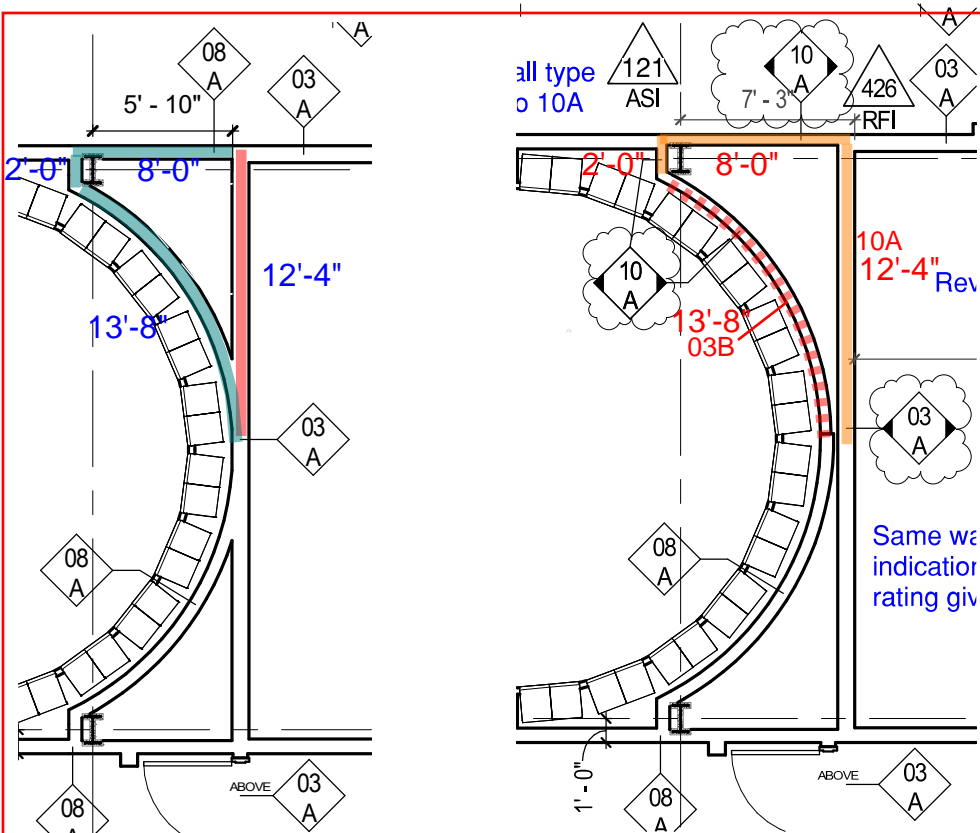
See also ASI 112 SKA-104b and SKS-131

CCC - CR203R2
DRAWING NUMBER
SKA 108
JOB NUMBER 408417

Arlington High School
869 Massachusetts Ave, Arlington, MA
Revision to A2.2b, A2.3b, A2.4b and A2.5b.
Wall types at chases

HMFH ARCHITECTS
130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
©HMFHarch hmfh.com
HMFH

SCALE: 1/8" = 1'-0" DATE: 07/20/2021 DRAWN: ML CHECKED: AD



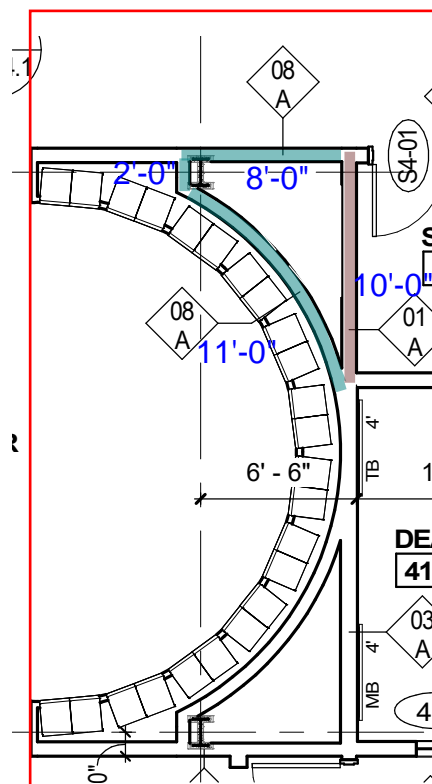
2.5b deletion

23.67' of 8A partition
12.33' of 03A partition

2.5b adds

22.33' of 10A partition
13.67' of 03B partition

23.67' x 14' h of 8A = 333.38 sf deleted @ \$8.31/sf = \$2,753.77.
12.33' x 14' h of 03A = 172.62 sf deleted @ \$18.53/sf = \$3,198.65.
22.33' x 14' h of 10A = 312.63 sf added @ \$18.05/sf = \$5,642.79.
13.67' x 14' h of 03B = 191.38 sf added @ \$16.53/sf = \$3,163.51.
TOTAL Add: \$2,853.88



2.4b deletion

21.0' of 8A partition
10.0' of 03A partition

2.4b adds

21.0' of 10A partition
11.0' of 03B partition

21.0' x 14' h of 8A = 294.00 sf deleted @ \$8.31/sf = \$2,443.14.
10.00' x 14' h of 01A = 140.00 sf deleted @ \$12.35/sf = \$1,729.00.
21.00' x 14' h of 10A = 294.00 sf added @ \$18.05/sf = \$5,306.70.
11.00' x 14' h of 03B = 154.00 sf added @ \$16.53/sf = \$2,545.62.
TOTAL Add: \$3,680.18

PM&C pricing:

3,000.42
2,805.08
3,986.03
2,727.17

907.70

From Consigli 90% estimate

Gyp partition type 1A - stud + gyp (1+1+ insul)
Gyp partition type 3A - stud + gyp (2+2+ insul)
Gyp partition type 8A - stud + gyp (1)
Gyp partition type 10A shaftwall 2 hr

From PM&C 90% estimate

Type 1A- 6" MS w/ 5/8" GWB e/s batt insulation
Type 3A 6" MS w/ 2 layers GWB e/s w/ insulation
Type 8A- 6" MS w/ 5/8" GWB o/s
Type 10A - 4" MS w/ 2 layers 5/8" GWB o/s, 1 layer 1" liner board, batt

70,331 sf 13.25
66,455 sf 16.25
27,270 sf 9.00
18,109 sf 12.75

16.25 less \$2/sf for 6" to 3 5/8" studs = \$14.25

71,486 sf 12.35 /sf
65,339 sf 18.53 /sf
30,590 sf 8.31 /sf
15,835 sf 18.05 /sf

18.53 /sf less \$2/sf for 6" to 3 5/8" studs = \$16.53

PM&C pricing:

2,646.00
1,855.00
3,748.50
2,194.50
1,442.00

PM&C pricing:

6,602.58
4,113.20
1,848.38
8,958.41
6,036.59
2,430.84

RECEIVED

7/20/2021 12:53

Project 2453 Arlington High School
869 Massachusetts Avenue
Arlington, Massachusetts 02476



CCC SR208R2 RFI #426

ASI 121: See last page
of this RFI #426

Fire Smoke Damper Access Conflict With Shaft Walls (Building B) (Phase 1) (PJK RFI #49 to #51)

TO:	Arthur Duffy (HMFH Architects)	FROM:	Kevin Samya (Consigli Construction Co., Inc.) 72 Sumner Street Milford, Massachusetts 01757
DATE INITIATED:	06/29/2021	STATUS:	Open
LOCATION:	Building B	DUE DATE:	07/04/2021
COST CODE:		REFERENCE:	PJK RFI #49, #50, and #51
COST IMPACT:	TBD	SCHEDULE IMPACT:	TBD
DRAWING NUMBER:	M2.5b, M2.4b, M2.3b, M2.2b	SPEC SECTION:	230000 - Heating, Ventilating, and Air Conditioning (HVAC)
RECEIVED FROM:	William Gray (P.J. Kennedy & Sons)		

COPIES TO:

CA Bala (Bala Consulting Engineers), Mark Blundell, Gil Castera (Bala), Victoria Clifford (Skanska USA Inc.), Greg Cmar (Interval Data Systems), David Dockendorf (Consigli Construction Co., Inc.), Haley Donovan (Consigli Construction Co., Inc.), Arthur Duffy (HMFH Architects), Jim Fikiet (Skanska USA Inc.), Ryan Flynn (Bala Consulting Engineers), Vianely Franco (HMFH Architects), Kevin Fuller (Interval Data Systems), Mike Gagne (Interval Data Systems), Bill Gnerre (Interval Data Systems), George Hines (Bala Consulting Engineers), John LaMarre (Consigli Construction Co., Inc.), William Lentz (Bala Consulting Engineers), Stephanie MacNeil (HMFH Architects), Scott Martino (Consigli Construction Co., Inc.), Chuck McWilliams (Consigli Construction Co., Inc.), Reid Mullett (Rist-Frost-Shumway Engineering (RFS)), Sy Nguyen (Skanska USA Inc.), Cam Patch (Consigli Construction Co., Inc.), Fran Patnode (Rist-Frost-Shumway Engineering (RFS)), Hal Raymond (Skanska USA Inc.), Richard Rivera (Bala Consulting Engineers), David Rockwood (Consigli Construction Co., Inc.), Kevin Samya (Consigli Construction Co., Inc.), Chris Weber (Consigli Construction Co., Inc.)

Question from Kevin Samya (Consigli Construction Co., Inc.) at 10:59 AM on 06/29/2021

Please reference the attached PJK RFI #49, #50, and #51. Please reference HVAC Duct Drawings M2.5b, M2.4b, M2.3b, and M2.2b in addition to the Architectural Drawings for the associated floors.

The fire smoke dampers for each floor takeoff off of the duct risers require a certain amount of access in order to meet code requirements. Several fire smoke dampers in Building B require architectural changes as the Manufacturer Greenheck does not make a product over 24" with a sleeve length of 33". The concern was discussed during MEP/FP Coordination. We request design changes/direction on the following:

1. Toilet T5-01 and T5-06 (PJK RFI #49) - Please confirm if the shaft wall can be extended to the west wall of the bathroom
2. Classroom 209, 309, 409, and 509 (PJK RFI #50) - Please confirm if the shaft wall can be extended to the north wall
3. Storage S2-01, Small Group 317, Storage S4-01, and Small Group 517 (PJK RFI #51) - Please confirm if the east shaft wall can move 9" east

Please provide sketches for the intended design.

Attachments:

[RFI #426 - Fire Smoke Damper Access Conflict With Shaft Walls \(Building B\) \(Phase 1\) \(PJK RFI #49 to #51\).pdf](#)

Awaiting an Official Response

All Replies:

1,2: The recommended solution in all of these areas would be to terminate the gypsum board and any studs conflicting with damper access just above the finished ceiling at outer non-rated partition. [See annotation on sketches attached to this RFI.](#)

3. The walls indicated can be shifted 9" east. Sketch will be issued.

J. Ryan Flynn - BALA

6/30/2021

BY

DATE

COPIES TO

07/01/2021

Worcester Air Conditioning, LLC
P.O. Box 228 - 148 Pleasant Street
Ashland, MA 01721
www.worcester-air.com



Sheet Metal Fabrication & Installation
O: 508-881-4500
F: 508-881-4543

Request For Information

5524 — Arlington High School

RFI Subject : SHAFT WALL RELOCATION

To Patrick Kennedy
P.J. Kennedy & Sons, Inc.
Phone No: (617)265-5535
patrickk@pjkenedy.com

RFI Number : 5524-17
RFI Revision Number : 0
RFI Date : 6/23/2021
Type : Original RFI

Return To Todd Thorvaldsen
Worcester Air Conditioning LLC
Phone No: 5088814500
Mobile: 5088814500
Fax No: 5088814543
tthorvaldsen@worcester-air.com

Clarification Requested

FIRE SMOKE DAMPERS MUST BE ACCESSIBLE OUTSIDE OF THE RATED WALL. GREENHECK DOES NOT MAKE A PRODUCT OVER 24" WITH A SLEEVE LENGTH OF 33". PLEASE CONFIRM THE SHAFT WALL CAN BE EXTENDED TO THE WEST WALL OF TOILET T5-01 AND T5-06

Details

Primary Activity Affected	Drawing	Detail	Spec
Coordination Drawings			

Schedule / Cost Impact

To mitigate schedule delay, return by the following date **6/28/2021**.
This problem is impacting our progress
This problem is possibly impacting our costs (other than schedule costs)

Please provide a written directive on how to proceed. Descriptions of materials and methods should be accompanied by drawings, sketches and specifications if not covered by applicable contract documents. Please re-review relevant submittals referenced above.

Signed By:

Todd Thorvaldsen
Revit Planner/Coordinator

Dated: 6/23/2021



b4



ARLINGTON HIGH SCHOOL

WAC RFI#17 SHAFT WALL

WAC RFI # 17	
Note Number	Note Text
1	FIRE SMOKE DAMPERS MUST BE ACCESSIBLE OUTSIDE OF THE RATED WALL. GREENHECK DOES NOT MAKE A PRODUCT OVER 24" WITH A SLEEVE LENGTH OF 33". PLEASE CONFIRM THE SHAFT WALL CAN BE EXTENDED TO THE WEST WALL OF TOILET T5-01 AND T5-06

WAC RFI #17					
1	6-23-21	TT	PJK	WAC RFI #17	
REV.	DATE	DRF.'D	DES.'D	PURPOSE OF ISSUE/REVISION	
WAC PROJECT NUMBER			DRAWING NUMBER		REVISION NUMBER
5524			SKM-23		1



Patrick J. Kennedy & Sons, Inc.
MECHANICAL CONTRACTORS

39 Gibson Street
Boston, MA 02122-1222
Ph : (617)265-5535

REQUEST FOR INFORMATION

Number: 50

Date: 06/25/2021

Phone:

Job: 2020-21 Arlington HS Main Package

To: Kevin Samya
Consgili Construction Co. Inc.
72 Sumner Street
Milford, MA 01757
Ph: 857-300-6900

CC:

Subject: Shaft Wall Relocation

Drawing: M2.5b

Cost Impact: None

Spec Section:

Schedule Impact: None

Request:

Date Required: 7/2/2021

FIRE SMOKE DAMPERS MUST BE ACCESSIBLE OUTSIDE OF THE RATED WALL . GREENHECK DOES NOT MAKE A PRODUCT OVER 24" WITH A SLEEVE LENGTH OF 33". PLEASE CONFIRM THE SHAFT WALL CAN BE EXTENDED TO THE NORTH WALL of CLASSROOM 509, 409, 309 AND 209

Requested by: Bill Gray
Patrick J. Kennedy & Sons, Inc

Response:

Answered by

Company

Date

Worcester Air Conditioning, LLC
P.O. Box 228 - 148 Pleasant Street
Ashland, MA 01721
www.worcester-air.com



Sheet Metal Fabrication & Installation
O: 508-881-4500
F: 508-881-4543

Request For Information

5524 — Arlington High School

RFI Subject : SHAFT WALL RELOCATION

To Patrick Kennedy
P.J. Kennedy & Sons, Inc.
Phone No: (617)265-5535
patrickk@pjkenedy.com

RFI Number : 5524-18
RFI Revision Number : 0
RFI Date : 6/23/2021
Type : Original RFI

Return To Todd Thorvaldsen
Worcester Air Conditioning LLC
Phone No: 5088814500
Mobile: 5088814500
Fax No: 5088814543
tthorvaldsen@worcester-air.com

Clarification Requested

FIRE SMOKE DAMPERS MUST BE ACCESSIBLE OUTSIDE OF THE RATED WALL. GREENHECK DOES NOT MAKE A PRODUCT OVER 24" WITH A SLEEVE LENGTH OF 33". PLEASE CONFIRM THE SHAFT WALL CAN BE EXTENDED TO THE NORTH WALL OF CLASSROOM 509, 409, 309 AND 209

Details

Primary Activity Affected	Drawing	Detail	Spec
Coordination Drawings			

Schedule / Cost Impact

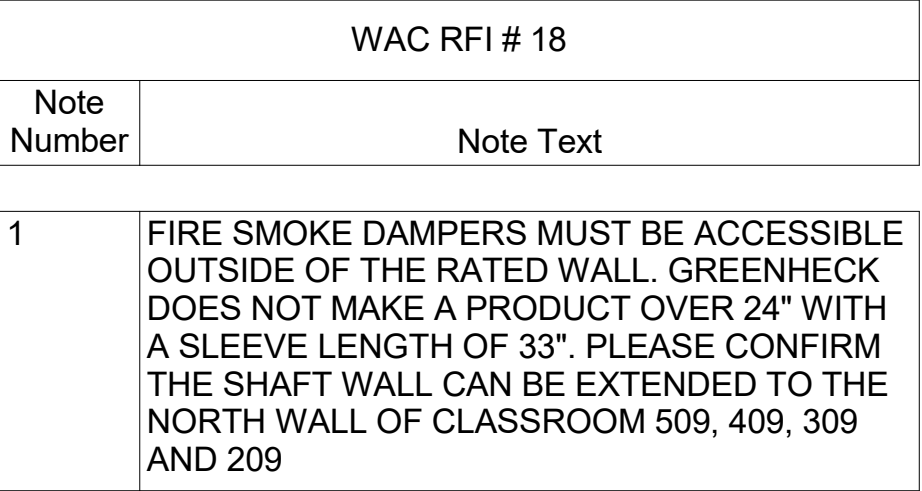
To mitigate schedule delay, return by the following date **6/28/2021**.
This problem is impacting our progress
This problem is possibly impacting our costs (other than schedule costs)

Please provide a written directive on how to proceed. Descriptions of materials and methods should be accompanied by drawings, sketches and specifications if not covered by applicable contract documents. Please re-review relevant submittals referenced above.

Signed By:

Todd Thorvaldsen
Revit Planner/Coordinator

Dated: 6/23/2021



WAC RFI #18				
1	6-23-21	TT	PJK	WAC RFI #18
REV.	DATE	DRF.'D	DES.'D	PURPOSE OF ISSUE/REVISION
WAC PROJECT NUMBER			DRAWING NUMBER	REVISION NUMBER
5524			SKM-24	1



Patrick J. Kennedy & Sons, Inc.
MECHANICAL CONTRACTORS

39 Gibson Street
Boston, MA 02122-1222
Ph : (617)265-5535

REQUEST FOR INFORMATION

Number: 51

Date: 06/25/2021

Phone:

Job: 2020-21 Arlington HS Main Package

To: Kevin Samya
Consgili Construction Co. Inc.
72 Sumner Street
Milford, MA 01757
Ph: 857-300-6900

CC:

Subject: Shaft Wall Relocation

Drawing: M2.5b

Cost Impact: None

Spec Section:

Schedule Impact: None

Request:

Date Required: 7/2/2021

TO FACILITATE PROPER INSTALLATION OF FIRE SMOKE DAMPERS OFF THE SUPPLY DUCT RISER SHOWN PLEASE CONFIRM THE WESTERN WALL OF ROOMS SMALL GROUP 517, STORAGE S4-01, SMALL GROUP 317, AND STORAGE S2-01 CAN MOVE 9" EAST ON FLOORS 5, 4, 3, AND 2.

Requested by: Bill Gray
Patrick J. Kennedy & Sons, Inc

Response:

Answered by

Company

Date

Worcester Air Conditioning, LLC
P.O. Box 228 - 148 Pleasant Street
Ashland, MA 01721
www.worcester-air.com



Sheet Metal Fabrication & Installation
O: 508-881-4500
F: 508-881-4543

Request For Information

5524 — Arlington High School

RFI Subject : SHAFT WALL RELOCATION

To Patrick Kennedy
P.J. Kennedy & Sons, Inc.
Phone No: (617)265-5535
patrickk@pjkennedy.com

RFI Number : 5524-19
RFI Revision Number : 0
RFI Date : 6/23/2021
Type : Original RFI

Return To Todd Thorvaldsen
Worcester Air Conditioning LLC
Phone No: 5088814500
Mobile: 5088814500
Fax No: 5088814543
tthorvaldsen@worcester-air.com

Clarification Requested

TO FACILITATE PROPER INSTALLATION OF FIRE SMOKE DAMPERS OFF THE SUPPLY DUCT RISER SHOWN PLEASE CONFIRM THE WESTERN WALL OF ROOMS SMALL GROUP 517, STORAGE S4-01, SMALL GROUP 317, AND STORAGE S2-01 CAN MOVE 9" EAST ON FLOORS 5, 4, 3, AND 2.

Details

Primary Activity Affected	Drawing	Detail	Spec
Coordination Drawings			

Schedule / Cost Impact

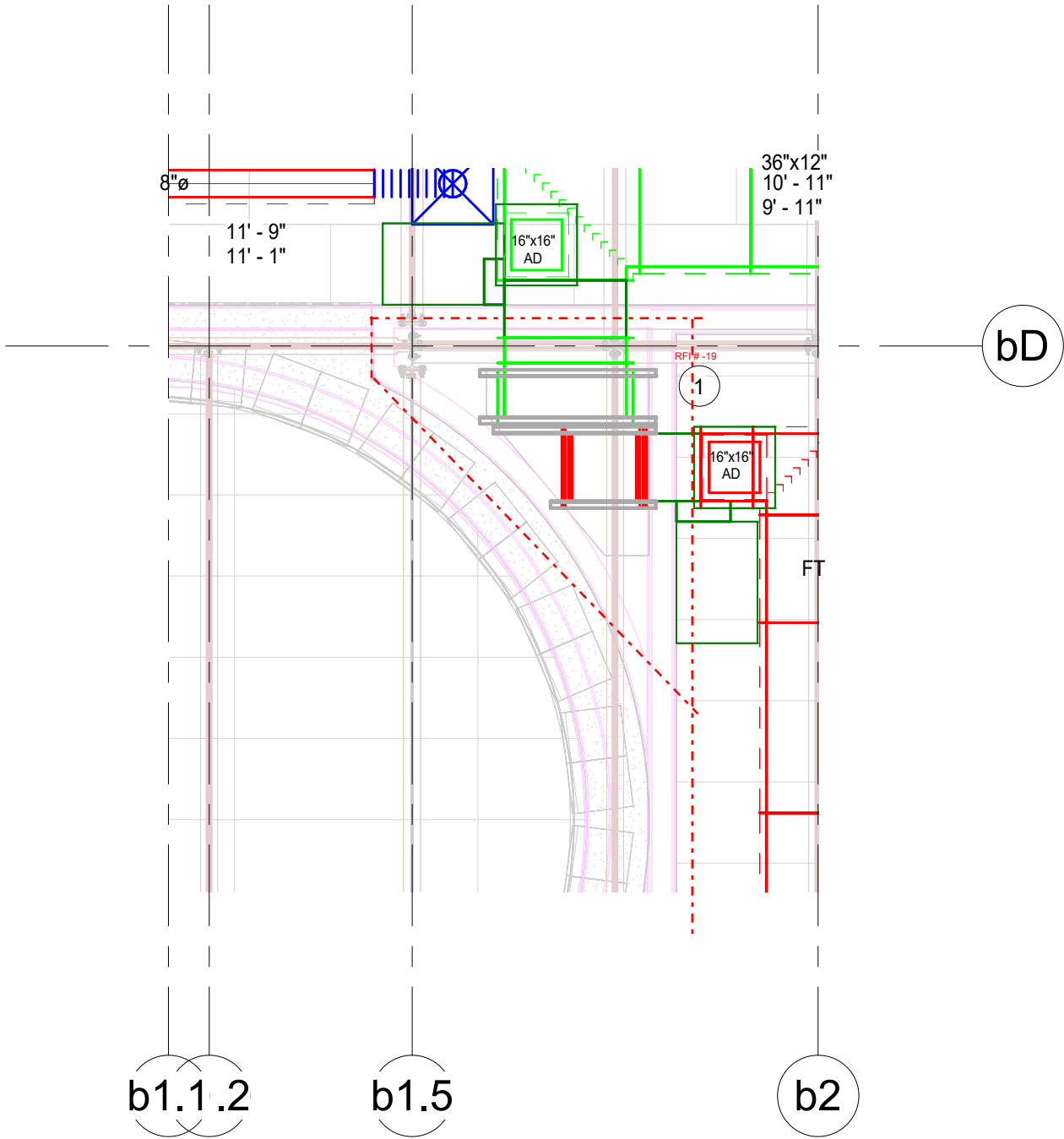
To mitigate schedule delay, return by the following date **6/28/2021**.
This problem is impacting our progress
This problem is possibly impacting our costs (other than schedule costs)

Please provide a written directive on how to proceed. Descriptions of materials and methods should be accompanied by drawings, sketches and specifications if not covered by applicable contract documents. Please re-review relevant submittals referenced above.

Signed By:

Todd Thorvaldsen
Revit Planner/Coordinator

Dated: 6/23/2021



1 DUCT RISER SHAFT NEAR ELEVATOR 1
1/4" = 1'-0"

WAC RFI # 19	
Note Number	Note Text
1	TO FACILITATE PROPER INSTALLATION OF FIRE SMOKE DAMPERS OFF THE SUPPLY DUCT RISER SHOWN PLEASE CONFIRM THE WESTERN WALL OF ROOMS SMALL GROUP 517, STORAGE S4-01, SMALL GROUP 317, AND STORAGE S2-01 CAN MOVE 9" EAST ON FLOORS 5, 4, 3, AND 2.

WAC RFI #19

1	6-23-21	TT	PJK	WAC RFI #19	
REV.	DATE	DRF.'D	DES.'D	PURPOSE OF ISSUE/REVISION	
WAC PROJECT NUMBER				DRAWING NUMBER	REVISION NUMBER
5524				SKM-25	1

SCALE: 1/4" = 1'-0"

PROJECT NAME:

DRAWING NAME:



ARLINGTON HIGH SCHOOL

WAC RFI # 19 SHAFT WALL



August 4, 2021

1119 State Road, Unit #1, Westport, MA 02790
(508) 677-9880 • Fax (508) 679-9006

Consigli Construction
72 Sumner Street
Milford, MA 01757

ATT: Chris Weber/ John Lamarre
Re: Arlington High School
ASI 121

CHANGE ORDER PROPOSAL NO. 62

The proposal is a credit for the deletion of the 08A & 01A wall types around the locker pods on levels 1,3,4 &5 of building B. This proposal is also inclusive of an add for the 10A wall types and 2 ha fire rating improvements to the 03A wall types at the same areas. During review of this ASI it was determined that the radius 10A wall types cannot be constructed due to the radius and that these areas will have to be a 03A wall type. Because of this, the Fire rated 03A wall types indicated on this ASI will have to be a 10 A wall type due to constructability and coordination with the trades. Please see attaches highlighted SKA 108 to clarification.

where is this? not included in CR document

make 03B for reason of space req't's

Continued to page 2:

THIS AMOUNT \$ 35,707.89 IS TO BE ADDED TO THE ORIGINAL CONTRACT AMOUNT.

Mario Sousa
Project Manager



PAGE 2:

August 4, 2021

1119 State Road, Unit #1, Westport, MA 02790
 (508) 677-9880 • Fax (508) 679-9006

Consigli Construction
72 Sumner Street
Milford, MA 01757
ATT: Chris Weber/ John Lamarre
Re: Arlington High School
ASI 121

There are no values indicated here for these materials so not possible to review HMFH therefore compares to Consigli and PM&C estimates using costs of partition type. This is a valid method of assessing cost for this work.

CHANGE ORDER PROPOSAL NO. 62

CREDIT:

10 PC 6" STUDS 14'
 60 PC 6" Studs 16'
 20pc 6" Track
 20 pc 6" Deeptrack
 50 pc 4x12x5/8 GWB
 6 pc Compound
 (1 Carpenter 40 hrs @ 105.14)
 (1 Taper 32 hrs @ 106.96)
 (1 Laborer 12 hrs @ 85.88)

ADD:

80 PC 1" x 2' X 10' Shaftliner
 30 pc 4" JRunner
 60 pc 4" CH Stud
 12 pc 6" Track
 12 pc 6" Deep Track
 100 pc 6" Studs
 130 pc Drywall
 6 pc Compound
 4 pc Firestopping
 4 pc Mineral Wool Insulation
 1 Carpenter 200 hrs @ 105.14
 1 Taper 48 hrs @ 106.96
 1 Laborer 60 hrs @ 85.88

+ 31,315.60 ✓

LABOR: \$ (8,658.88) ✓

+ 12,275.00 ✓

MATERIAL: \$ (2,470.00) ✓

SUBTOTAL: \$ 32,461.72 ✓

OVERHEAD & PROFIT: \$ 3,246.17 ✓

Total : \$ 35,707.89 ✓

THIS AMOUNT \$ 35,707.89 IS TO BE ADDED TO THE ORIGINAL CONTRACT AMOUNT.

Mario Sousa
Project Manager

Jeffrey Arruda
Estimator

jeff.colony@yahoo.com

Patricia Moniz
Executive

pat.colony@yahoo.com

Kelly Silva
Executive Assistant

kelly.colony@yahoo.com

Mario Sousa
Project Manager
 marios.colony@yahoo.com



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR222
Date: 9/24/21
Job: 2153 Arlington High School
Phone:

Description: ASI-137.1 -137 - ASI-130 - RCP Revisions - L2-L5 Bldg. D_T&M_Sub. 030822

Source: ASI # 137

We offer the following specifications and pricing to make the changes as described below:

CR222 includes Colony Drywall T&M Costs associated with the lowering of soffits in C3-13 and C3-14 per ASI-137.2 dated 10/8/21 issued by HMFH. CCC proceeded with this scope on T&M basis in order to maintain schedule. Please see attached pricing and associated backup for additional information.

Assumptions & Qualifications:

- Costs associated with Overtime/acceleration are not included.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Colony Drywall - COP#156 dated 2/2/22				\$1,885.40		\$1,885.40
					Subtotal:	\$1,885.40
			Bond (.75%)	\$1,885.40		\$14.14
			General Liability (1.2%)	\$1,885.40		\$22.62
			Subguard (1.4%)	\$1,885.40		\$26.40
			OH&P (5% subs, 10% self perform)	\$1,948.56		\$97.43
					Total:	\$2,045.99

☐ SCHEDULE IMPACT

☒ We have proceeded with this change to achieve schedule.

☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR

72 Sumner Street

OWNER

(Signature)

Arthur Duffy

By

03/24/2022

Date

(Signature)

John LaMarre

By

03/08/2022

Date

(Signature)

Jim Burrows

By

4/12/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Washington DC • Portland ME • Boston MA • Milford MA • Albany NY • New York NY • Pleasant Valley NY • Ronkonkoma NY



ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

ASI: 137.2

date: 10.8.2021

subject: Revised / Conformed RCPs

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☒ Consigli
☒ HMFH Architects ☐ Other:

reference: Drawings A3.2e, A3.3e, A3.4e

attachments: Revised Sheets A3.2e, A3.3e, A3.4e

OFFICE. (617) 492 2200
FAX. (617) 876 9775

130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

10-08-21 ASI 137.2 – Part E 2nd, 3rd, 4th floors provided for reference to the ACT and all MEP trades finish trim within the ceilings.

- Corr C3-13 (running N-S and E-W) lowered to 8'-6" as indicated on attached A3.3e / per field review on 10-5-21
- RC17 light fixture deleted from room 235; RC05 light fixture deleted from C2-12

09-24-21 ASI 137.1 – Part D 2nd floor provided for reference to the ACT and all MEP trades finish trim within the ceilings.

- Art Classroom light fixtures TR01 and PC16's have been minimally shifted to better align with the grid as currently installed. The intent is that TR01 fixtures are mounted to the grid (unless shown otherwise) and that PC16 fixtures are mounted through the tiles / adjacent to the grid. Please advise if this creates any discrepancies in the field.
- The grid in Corridor C2-06 south of the locker pod is to be aligned with the grid installed in Corridor C2-08

Revised RCP sheets for Part D 3rd, 4th, 5th floor provided for reference to the ACT and all MEP trades finish trim within the ceilings.

Previously issued RCP sketch information produced from ASI's, RFI's and CCD's is included within these RCPs. The applicable revision numbers are documented in the revision border of each sheet for reference.

Clouded items tagged to ASI-137 are new items

NOTE: It is not the intention of this ASI to require the removal of any already installed work unless deemed beneficial by the subcontractors (i.e. less overall work due to fewer cut tiles, shorter duct runs) Therefore it is understood that the final installation of the ACT on the 4th and 5th floors may not exactly match the attached RCPs but they will be used for guidance.

ACT Layouts

- The typical 1'-0" dimension for ACT grid alignment off the face of casework provided in all classrooms within which it applies.
- Non-typical rooms have been dimensioned for information

Exit Signs

- Overall locations of exit signs have remained the same – they have been updated to show the signs centered within ceiling tiles.

Light fixtures

- Heights of pendant light fixtures have been corrected / clouded on the RCP
- Undercabinet light fixtures which were erroneously displayed on the RCP have been hidden.
- Light fixture locations adjusted as part of the coordination process have been clouded

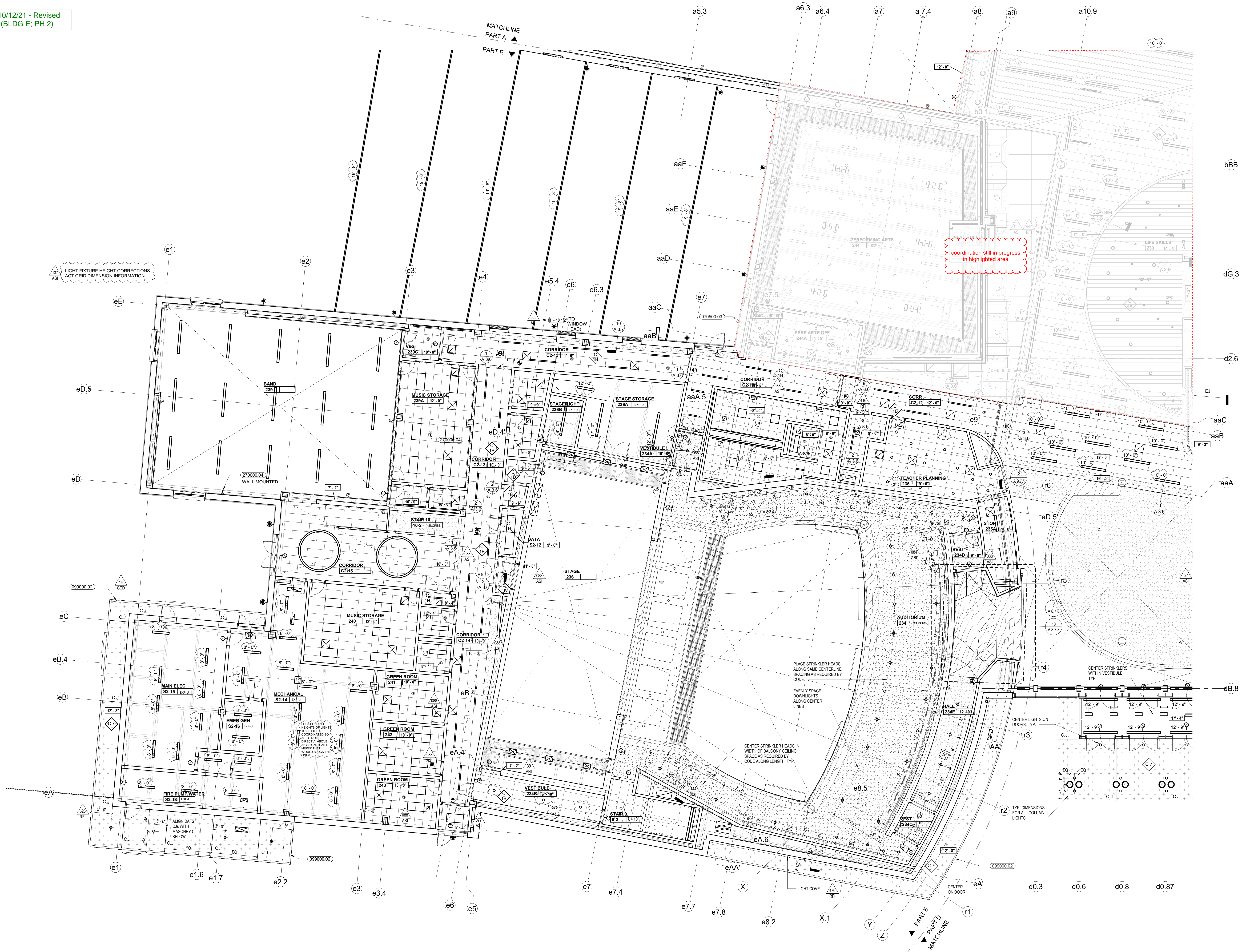
HVAC diffusers

- TYPICAL: Linear diffusers at all classrooms are to be located within the last full tile along the grid line at the exterior edge of the room.
 - o Diffusers in some rooms located differently where conflicts with ductwork/steel were anticipated.
- Diffusers within rooms have been adjusted accordingly to reflect their locations on the coordination drawings.

Sprinkler heads

- Are typically not show on attached RCPs and are assumed to be installed as per the shop/coordination drawings.
- Sprinkler heads are shown / dimensioned in the drywall ceiling area on the 3rd floor RCP, below the D-Lab room 434.

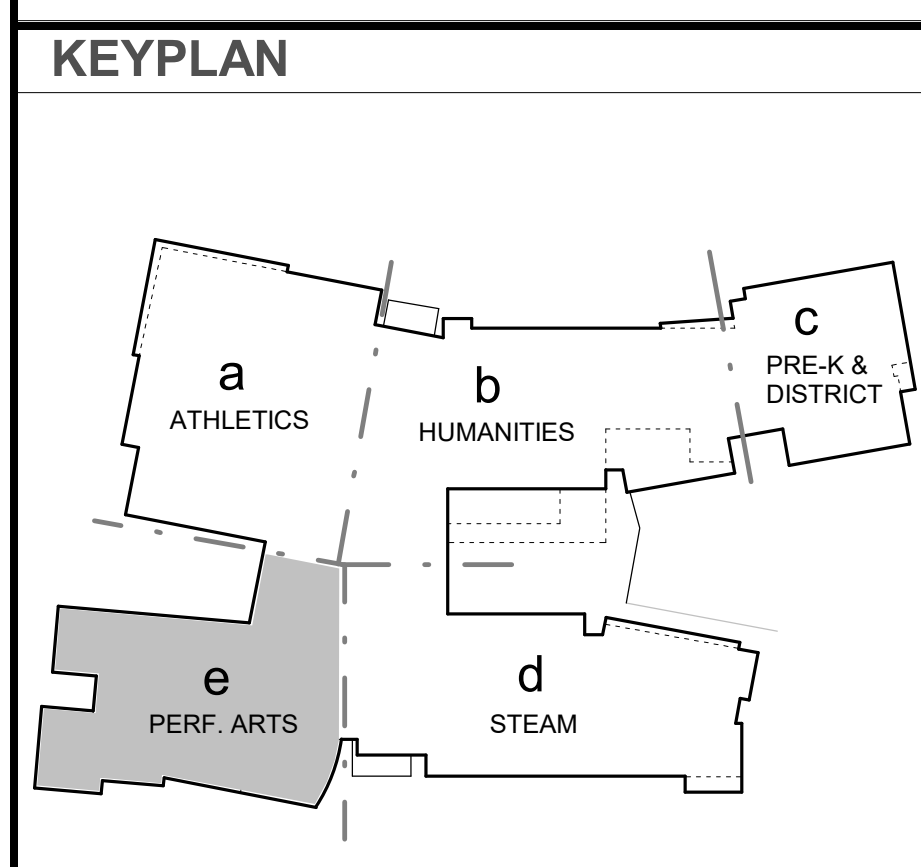
CCC: Received 10/12/21 - Revised
RCPs ASI 137.2 (BLDG E; PH 2)



137 LIGHT FIXTURE HEIGHT CORRECTIONS
ACT GRID DIMENSION INFORMATION

coordination still in progress
in highlighted area

- KEYNOTES**
- 079500.03 CEILING EXPANSION JOINT COVER
 - 089000.02 HIGH PERFORMANCE COATING
 - 210000.01 SPRINKLER HEAD
 - 270000.04 SPEAKER



Remarks	
ASI	39, 52, 077, 088, 122, 137, 144
RFI	416, 447, 470
CCD	022, 14

CCC-CR22

HM
FH

HMFH ARCHITECTS

155 Bishop Allen Drive
Cambridge, MA 02139
617.452.7280
info@hmfh.com

100% CONSTRUCTION DOCUMENTS - BID SET

10-07-2020

Conformed Set - Addenda Incorporated

11-30-2020

Arlington High School

889 Massachusetts Ave, Arlington, MA

Second Floor Reflected Ceiling Plan

- Part e

SCALE: 1/8" = 1'-0"

DRAWN BY: AEVAJ

CHECKED BY: SM

DRAWING NUMBER

A

3.2e

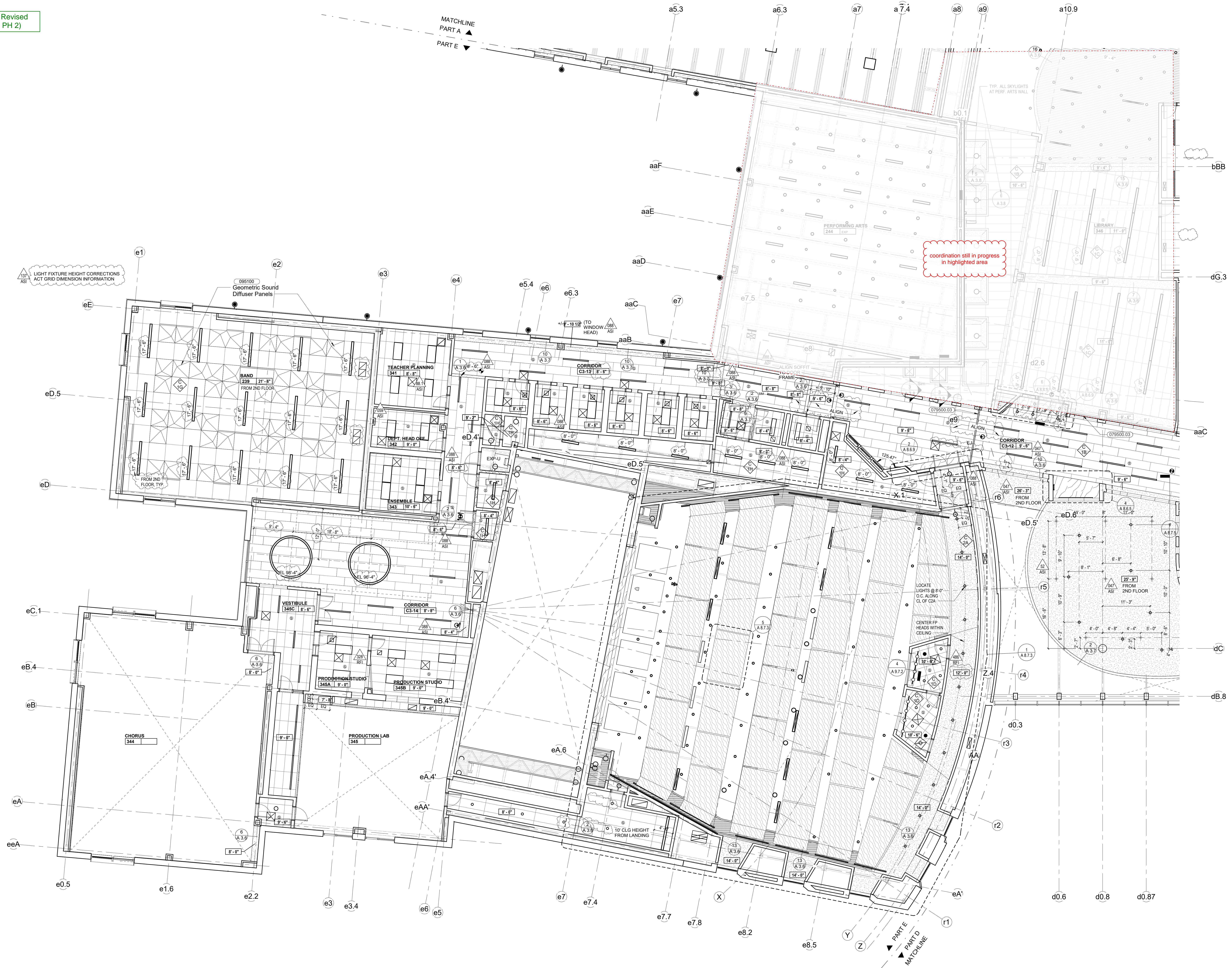
FOR NUMBER: 3.2d

10/12/21 13:54 PM C:\Users\Bishop\Documents\Arlington_High_School_Central_2020\secondfloor\hmfh.com.rvt

© COPYRIGHT HMFH ARCHITECTS, INC.

10/20/2023 1:37:43 PM C:\Users\hmfh\Documents\Arlington_High_School_Central_2020_Bldg\Bldg01.dwg 2103

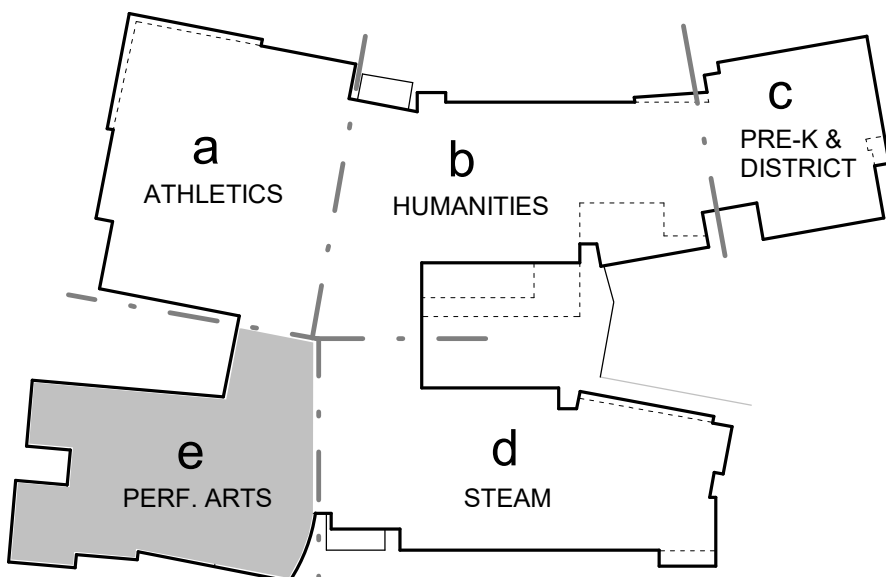
CCC: Received 10/12/21 - Revised
RCPs ASI 137.2 (BLDG E; PH 2)



KEYNOTES

- 079500.03 CEILING EXPANSION JOINT COVER
095100 ACOUSTICAL PANEL CEILINGS

KEYPLAN



Remarks	
ASI	47, 52, 88, 88.1, 88.2, 137
RFI	328, 486
CCD	

CCC: CR22

HM
FH

HMFH ARCHITECTS

152 Bishop Allen Drive
Cambridge, MA 02139
617.452.7280
info@hmfh.com

100% CONSTRUCTION DOCUMENTS - BID SET

10-07-2020

11-30-2020

Conformed Set - Addenda Incorporated

11-30-2020

Arlington High School
600 Massachusetts Ave. Arlington, MA

Third Floor Reflected Ceiling Plan -
Part e

SCALE: 1/8" = 1'-0"
DRAWN BY: AEVAJ
CHECKED BY: SM

DRAWING NUMBER

A

3.3e

JOB NUMBER: 20017

CCC: Received 10/12/21 - Revised
RCPs ASI 137.2 (BLDG E; PH 2)

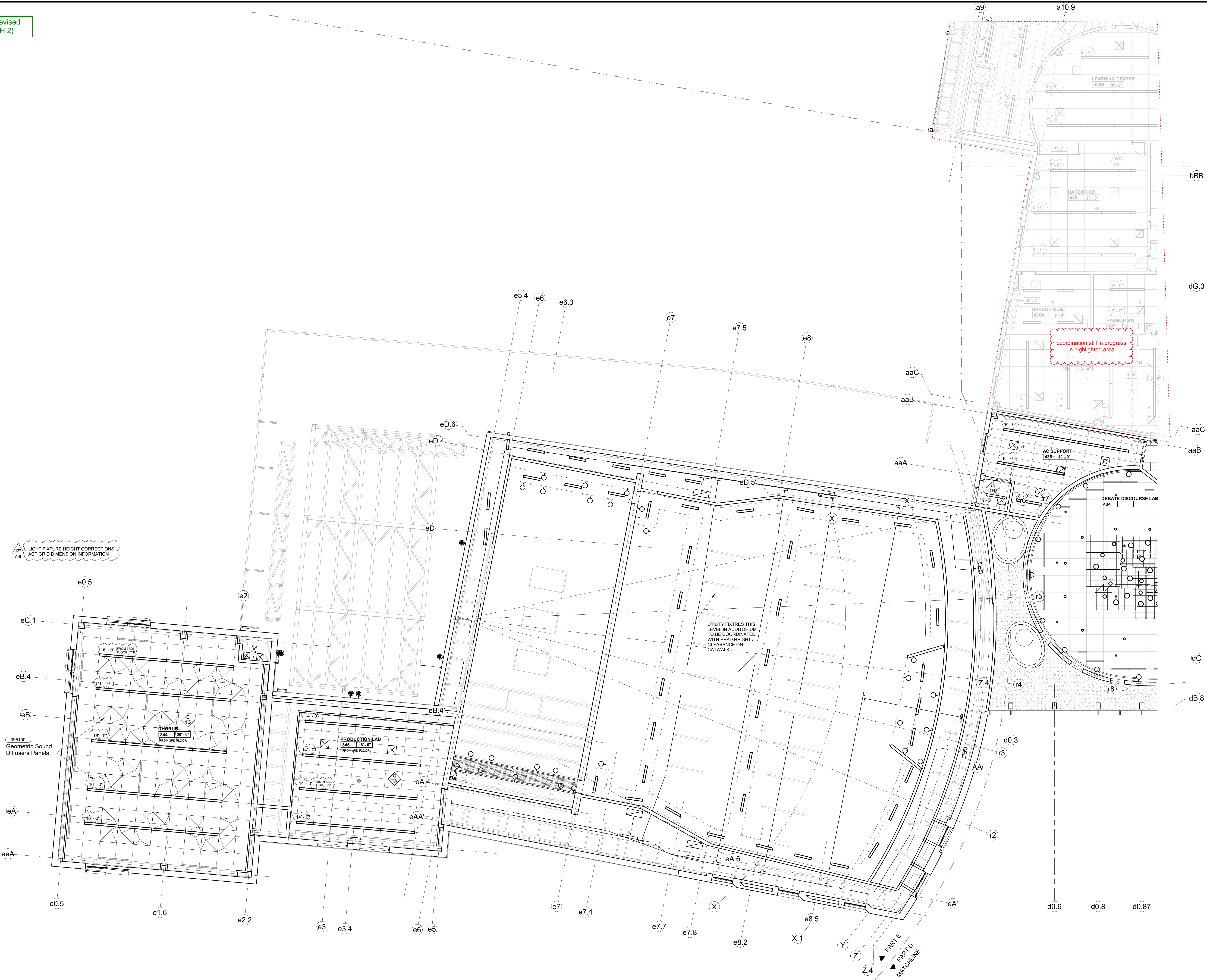
HM
FH
ARCHITECTS

132 Bishop Allen Drive
Cambridge, MA 02139
617.452.7280
info@hmfh.com

100% CONSTRUCTION DOCUMENTS - BID SET 10-07-2020
Conformed Set - Addenda Incorporated 11-30-2020

Arlington High School
889 Massachusetts Ave, Arlington, MA
Fourth Floor Reflected Ceiling Plan
- Part e
SCALE: 1/8" = 1'-0"

DRAWING NUMBER
A
3.4e
JOB NUMBER 2007



137
ASI
LIGHT FIXTURE HEIGHT CORRECTIONS
ACT GRID DIMENSION INFORMATION

09S100
Geometric Sound
Diffusers Panels

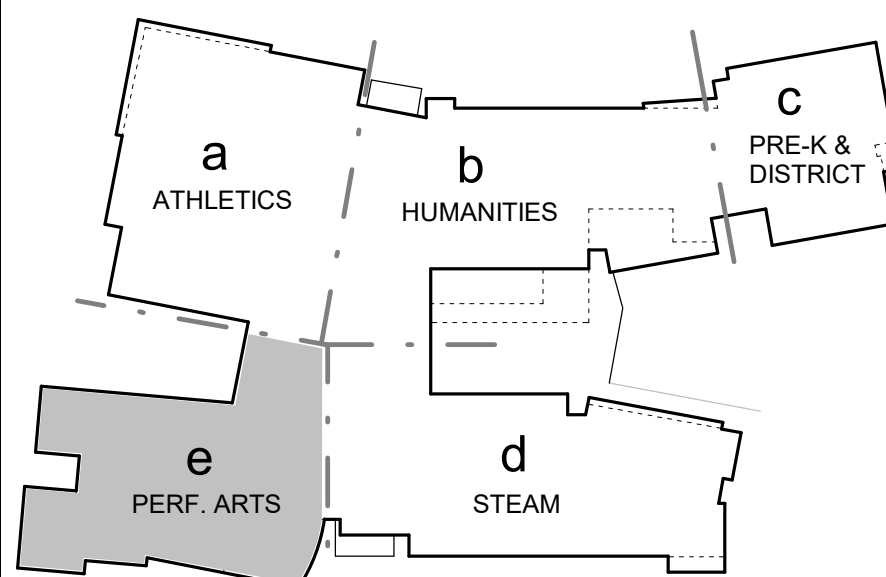
UTILITY FIXTURES THIS
LEVEL IN AUDITORIUM
TO BE COORDINATED
WITH HEAD HEIGHT /
CLEARANCE ON
CATWALK

coordination still in progress
in highlighted area

KEYNOTES

09S100 ACOUSTICAL PANEL CEILINGS

KEYPLAN



Remarks	
ASI	60, 137
RFI	
CCD	



1119 State Road, Unit #1, Westport, MA 02790
February 2, 2022 (508) 679-2880 • Fax (508) 679-9006

Consigli Construction
72 Sumner Street
Milford, MA 01757

ATT: Chris Weber/ John Lamarre
Re: Arlington High School

EXTRA WORK DONE

CHANGE ORDER PROPOSAL NO. 156

**The Following Add is for Extra Work done at
Arlington High School.**

TOTAL: \$ 1,885.40 ✓

**THIS AMOUNT \$ 1,885.40 IS TO BE ADDED TO
THE ORIGINAL CONTRACT AMOUNT.**

Mario Sousa
Project Manager

REF.

475



CONSIGLI

Est. 1905

SLIP TRACKING

Project Name	Arlington High School	Job# 2153	Date	1/20/22
--------------	-----------------------	-----------	------	---------

THIS DOCUMENT IS TO BE USED FOR TRACKING PURPOSES ONLY:

(This document is not intended to constitute as acceptance of additional work to the contract nor does this document infer that the contractor will be compensated for the work performed)

Contractor	CLEAN DEMOL
Contractor (Foreman's Signature)	
Contractor Extra Work #	
Cost Code	CE222
Time Begin (Consigli Signature Required)	
Time Complete (Consigli Signature Required)	
Work Performed	LOWERING 900115 @ C3-13 & C3-14 ASI-177
Manpower	(1) CARPENTER x 8 hrs (1) TAPER x 8 hrs 16 hrs
Materials	SEE ATTACHED

FOR OFFICE USE ONLY

Comments	H.R. SKANSKA 1/20/22		
Category (Check One)	<input type="checkbox"/> Internal	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> Backcharge
Status (Check One)	<input type="checkbox"/> Rejected	<input checked="" type="checkbox"/> Accepted	<input type="checkbox"/> Pending
Reference drawing or specification section:			

White: PM

Yellow: Contractor Copy

Pink: Remains

COLONY DRYWALL INC.

WESTPORT, MA 02790

508-677-9880

CCC - CR222

EXTRA WORK FORM

156

PROJECT:

Arlington High School

DATE:

01/20/2022

LOCATION:

REF #

COP#:

MATERIALS:													DESCRIPTION	PRICE	AMOUNT	
QUANTITY																
													1 carpenter for 8 hours			
													1 taper for 8 hours			
													lowering soffits at			
													C3-13 and C3-14			
FASTENERS																
POWER TOOLS																
SCAFFOLDING & LIFTS																
													TOTAL MATERIAL		\$	
LABOR:													TRADE	HOURS	RATE	AMOUNT
1	2	3											CARP FOREMAN			
①	2	3	4	5	6	7	8	9	10	11	12	CARP	8	106.27	850.16	
1	2	3											TAPER FOREMAN			
①	2	3	4	5	6	7	8	9	10	11	12	TAPER	8	107.98	863.84	
1	2	3											LABORER			
													TOTAL LABOR		\$	1,714.00
													TOTAL MATERIAL			
													SUBTOTAL		\$	1,714.00
													10% OVERHEAD & PROFIT			171.40
													BOND COST			
													TOTAL		\$	1885.40

SIGNED:



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR266
Date: 10/20/21
Job: 2153 Arlington High School
Phone:

Description: CCD-031 - ASI-163 - CW52 Spandrel Glass

Source: CCD # 031


We offer the following specifications and pricing to make the changes as described below:

CCD 031 (ASI 163) changed the curtainwall glass from clear to spandrel. Glass was previously received on site however not installed yet. These costs are for material only at the 6 pieces as requested.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
R&R Window - COR100 dated 10/15/21 for CCD 031 ASI 163 Spandrel Glass at CW52 - E Band and E Chorus rooms.	8-520				\$3,997.18		\$3,997.18
						Subtotal:	\$3,997.18
			Bond (.75%)		\$3,997.18		\$29.98
			General Liability (1.2%)		\$3,997.18		\$47.97
			Subguard (1.4%)		\$3,997.18		\$55.96
			OH&P (5% subs, 10% self perform)		\$4,131.09		\$206.55
						Total:	\$4,337.64

- ☐ SCHEDULE IMPACT
☐ We have proceeded with this change to achieve schedule.
☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT


(Signature)

Arthur Duffy

By

04/04/2022

Date

Consigli Construction Co., Inc.

CONTRACTOR
72 Sumner Street
Milford, MA 01757

David Dockendorf
(Signature)

David Dockendorf

By

03/24/2022

Date

OWNER


(Signature)

Jim Burrows

By

4/4/22

Date

Jim Burrows Page 1 of 1

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Portland ME • Milford MA



R&R WINDOW CONTRACTORS, INC.

Main Office:
One Arthur Street
Easthampton, MA 01027
Phone: (413) 527-7500
Fax: (413) 527-0289
www.rrwindow.com
AA/EEO CTR GLZ.0001293-EG1

CHANGE ORDER REQUEST

BILL
TO: Consigli Construction Co.
72 Sumner Street
Milford MA 01757

WORK Arlington High School - MA
DONE 869 Massachusetts Avenue
AT: Arlington, MA 01773

CCD 031 - ASI 163 - CW 52
Spandrel Glass

CUST# 10775

JOB NO.	CUST ORDER#	TERMS	REQUEST NUMBER	DATE
T20038-100			100	10/13/21

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
Any Materials included in the below pricing will be ordered upon R & R's receipt and acceptance of a written official change order.			
SPANDREL GLASS IGU 6 pcs	10/13/21	totals: \$3,084.43	3,625.56
			3,625.56
OVERHEAD			181.28
			3,806.84
PROFIT			190.34
SUBTOTAL			3,997.18
C/O REQUEST TOTAL			\$3,997.18

When applicable, tax is
included in the above price

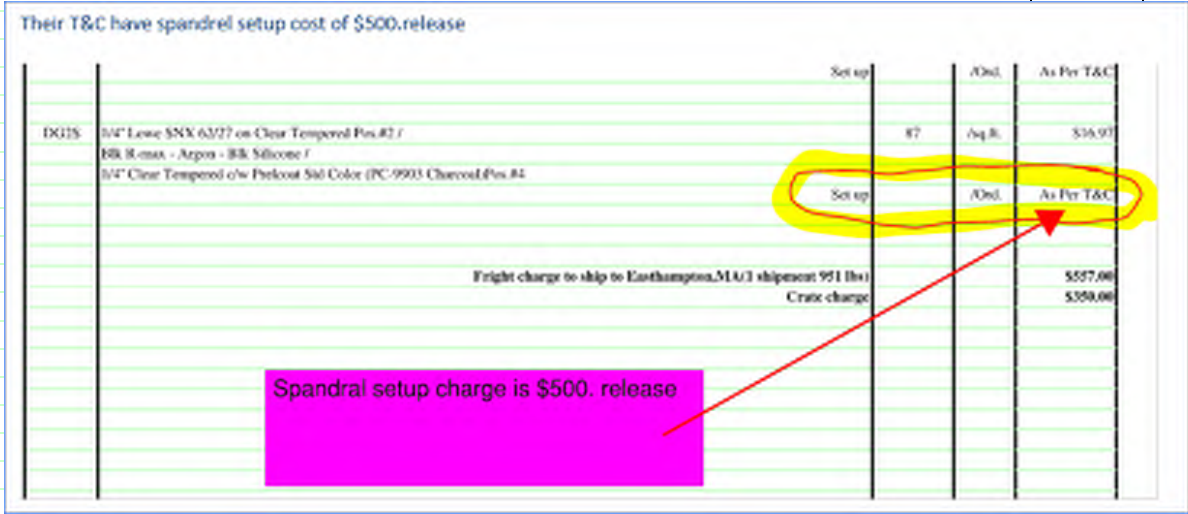
www.prelco.ca
To: Company: R & R Window Contractors Inc.
Att.: George
Email:
Project Name: Arlington Spandrel
Sales Representative

Federico Associates

Phone: (203) 641-4610

For information, please contact:
DAVID THIBOUTOT, X-3569
ESTIMATION COORDINATOR
 estimation@prelco.ca

Please send order to prelco@prelco.ca
**AN ADDITIONNAL ENERGY SURCHARGE ON THE
BELOW PRICES OF 6% IS APPLICABLE**

Type	Description	Quantity (approximation)	Unit	Price
	Prices are effective for the entire quotation. Any changes may result in a price modification.			
	Your quote number must be indicated on your order. No credit will be issued otherwise.			
DG1S	1/4" Lowe SN68 on Clear Tempered Pos.#2 / Blk R-max - Argon - Blk Silicone / 1/4" Clear Tempered c/w Prelcoat Std Color (PC-9903 Charcoal)Pos.#4	46	/sq.ft.	\$15.24
	Set up		/Ord.	As Per T&C
DG2S	1/4" Lowe SNX 62/27 on Clear Tempered Pos.#2 / Blk R-max - Argon - Blk Silicone / 1/4" Clear Tempered c/w Prelcoat Std Color (PC-9903 Charcoal)Pos.#4	87	/sq.ft.	\$16.97
	Set up		/Ord.	As Per T&C
	Fright charge to ship to Easthampton,MA(1 shipment 951 lbs)			\$557.00
	Crate charge			\$350.00
NOTES	 <p>Their T&C have spandrel setup cost of \$500.release</p> <p>Spandrel setup charge is \$500. release</p>			
	For security and handling, sealed units above 50 sq.ft must be heat treated. No load/deflection analysis has been performed, please refer to a specialized engineer. Lead times are subject to production capacity at time of ordering.			
FCA : Easthampton,MA Via: Flat bed trailer no boom truck in(1) shipment		Quote prepared by: Mathieu Lapalme, Estimation		
Crating: Std 2 500 lbs wooden crates				
Crating charges : see our terms & conditions				
Our terms and general conditions apply				
Prices valid 30 days Taxes are extra				
Prices in US Dollars				



ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 163

date: 10.6.2021

subject: CW Type 52 Revision- Spandrel Glass at top lights

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☒ Consigli
☒ HMFH Architects ☐ Other:

reference: A7.2.4 CW Type 52

attachments: Sketch SKA-143

OFFICE. (617) 492 2200
FAX. (617) 876 9775

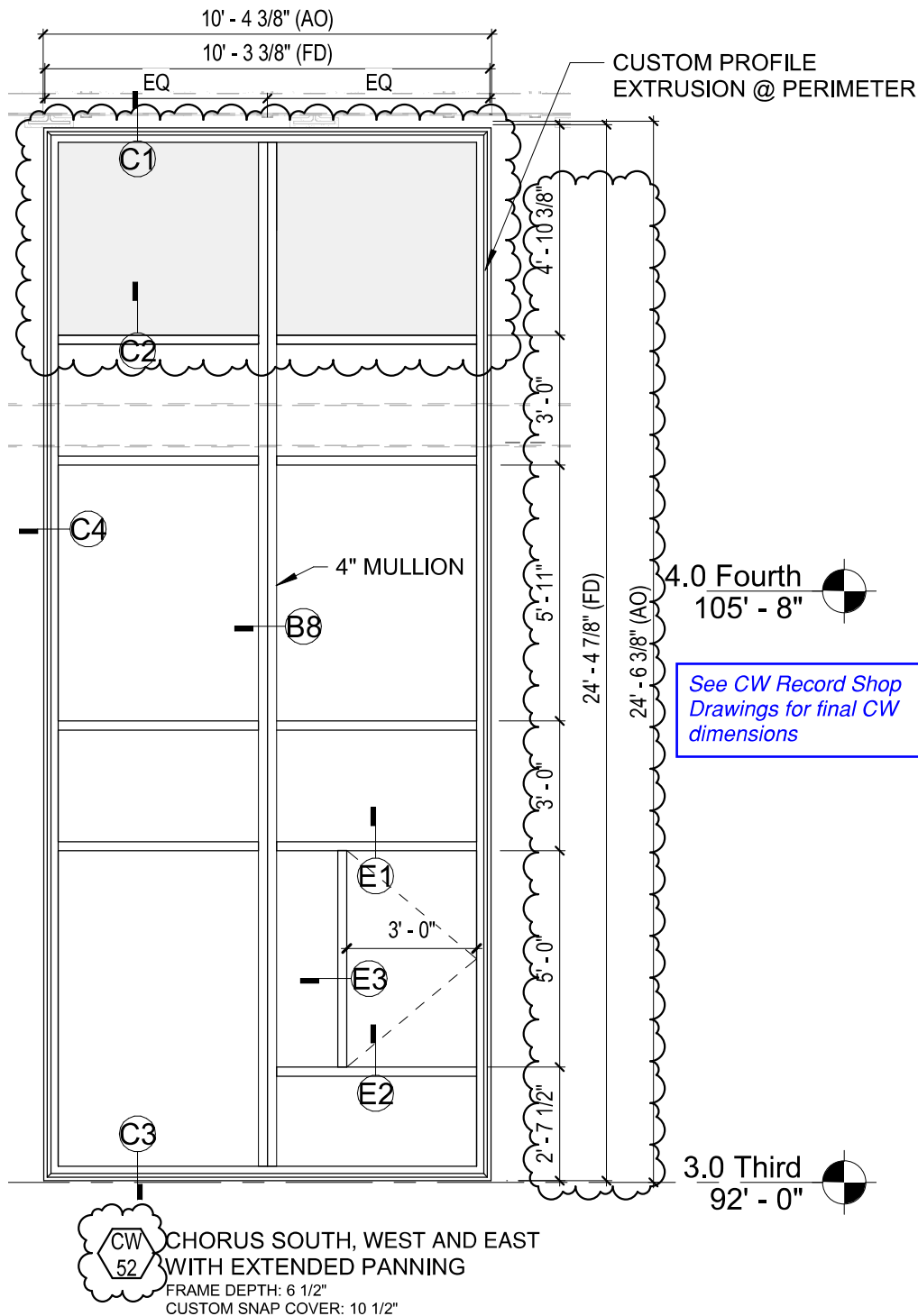
130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

Revise top lights of CW type 52 to be spandrel glass.
See attached sketch SKA-143

change top glass panels to
be spandrel glass



ASI 163

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

**HM
FH**

Arlington High School

869 Massachusetts Ave, Arlington, MA

Revision to CW52 A7.2.4: Top lights to be
Spandrel Glass.

Also, updated dimensions to concur with CW
record shop drawings

SCALE: 1/4" = 1'-0" DATE: 10/6/2021 DRAWN: HM CHECKED: ASD

DRAWING NUMBER

**SKA
143**

JOB NUMBER

408417



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR291
Date: 11/15/21
Job: 2153 Arlington High School
Phone:

Description: ASI-176 - Plywood Barrier at Catwalk Aud._Sub. 033022

Source: ASI # 176

We offer the following specifications and pricing to make the changes as described below:

CR291 includes Colony + New Generations costs associated with ASI-176 - Plywood Barrier at Catwalk in Auditorium issued by HMFH on 11.10.21. Per ASI-176, a plywood barrier at the catwalk was added to close the gap between edge of catwalk and adjacent wall, and to be painted. CR291 includes Colony costs associated with the F&I of plywood and New Generation Paint cost to finish paint. CCC has proceeded with this scope to maintain schedule. Please see attached pricing and associated backup for additional information.

Assumptions & Qualifications:

- Costs associated with overtime/acceleration are not included

Description	Labor	Material	Equipment	Subcontract	Other	Price
Colony Drywall - COP#117 dated 111821				\$4,648.40		\$4,648.40
New Generation Paint Proposal dated 111821				\$2,208.44		\$2,208.44
					Subtotal:	\$6,856.84
			Bond (.75%)	\$6,856.84		\$51.43
			General Liability (1.2%)	\$6,856.84		\$82.28
			Subguard (1.4%)	\$4,648.40		\$65.08
			OH&P (5% subs, 10% self perform)	\$7,055.63		\$352.78
					Total:	\$7,408.41

☐ SCHEDULE IMPACT

☒ We have proceeded with this change to achieve schedule.

☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR

OWNER

(Signature)

Arthur Duffy

By

03/31/2022

Date

(Signature)

John LaMarre

By

3/31/22

Date

(Signature)

Jim Burrows

By

4/4/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Portland ME • Milford MA

H M
F H

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 176

date: 11.10.2021

subject: Plywood barrier at Auditorium rear catwalk

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☐ Consigli
☒ HMFH Architects ☐ Other:

reference: Drawing A 2.8 Catwalk Plans

attachments: Part plan & site photographs w-mark-ups

OFFICE. (617) 492 2200
FAX. (617) 876 9775

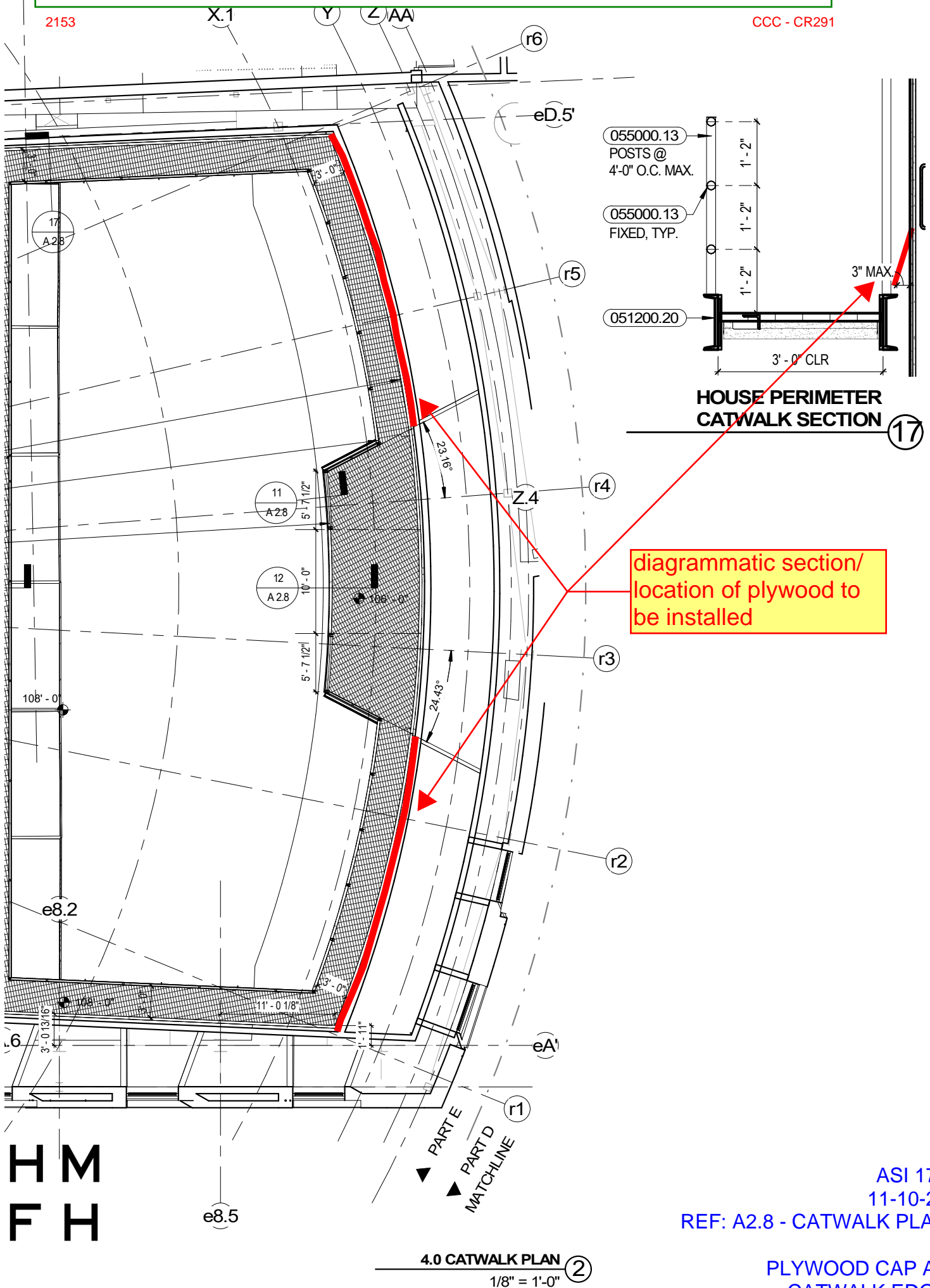
130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

As discussed on 11-09-21 on site between HMFH and CCC, a plywood barrier, painted black, is to be installed at the sloped support brackets of the catwalk at the rear of the Auditorium. See attached plan diagram / photograph mark-up for additional information.

CCC - CR291

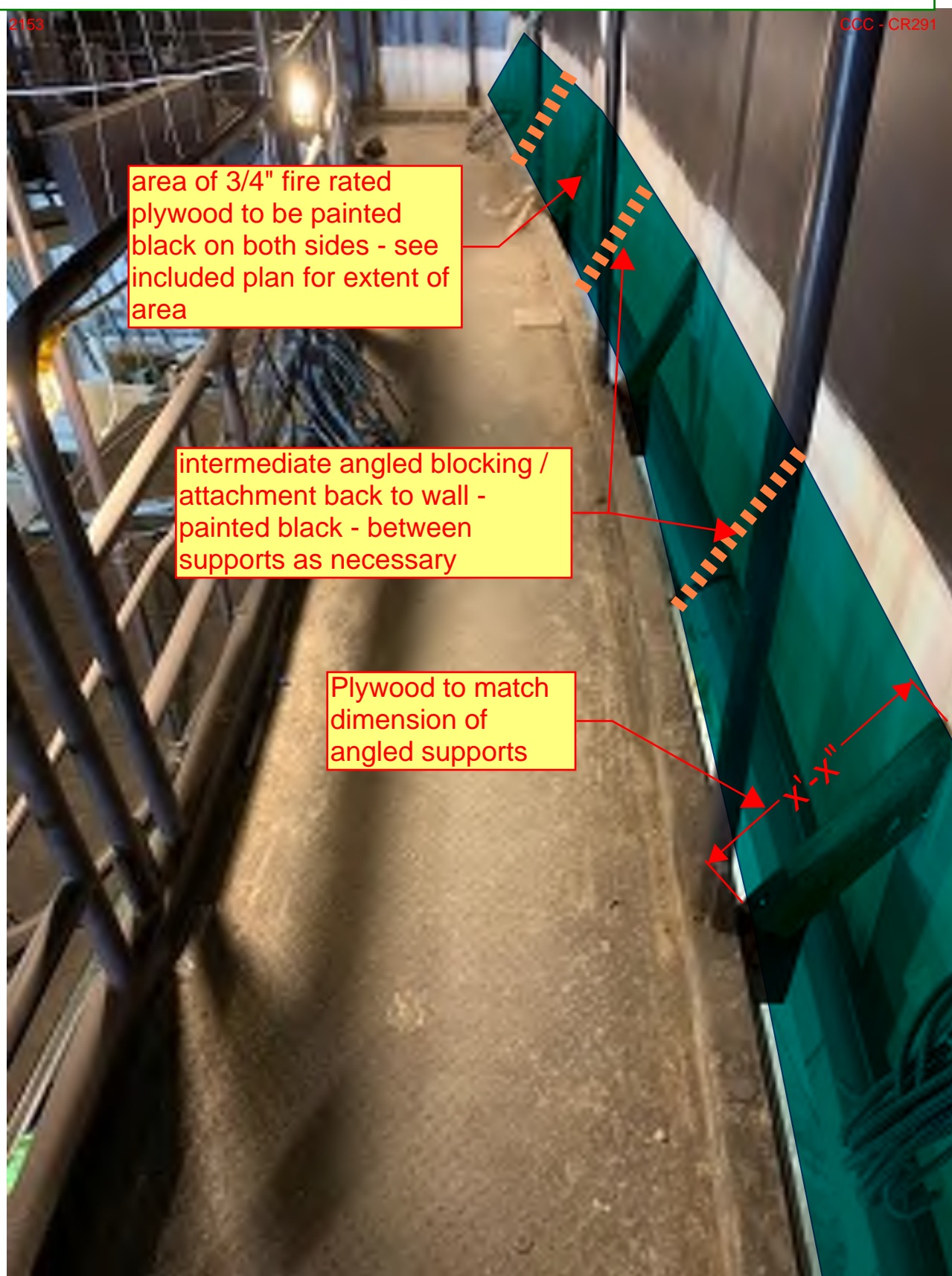


ASI 176
11-10-21
REF: A2.8 - CATWALK PLAN

PLYWOOD CAP AT CATWALK EDGE

2153

CCC - CR291



H M
F H

ASI 176
11-10-21

PLYWOOD CAP AT
CATWALK EDGE



1119 State Road, Unit #1, Westport, MA 02790
(508) 677-9880 • Fax (508) 679-9006

November 18, 2021

Consigli Construction
72 Sumner Street
Milford, MA 01757

ATT: Chris Weber/ John Lamarre
Re: Arlington High School

ASI 176

CHANGE ORDER PROPOSAL NO. 117

The Following Proposal is to furnish & Install Framing & Plywood @ the East Auditorium cat walk to create a closure between cat walk & soffit.

Material:

+/-60 Linear ft of construction
4 pc 3/4 FT plywood
15pc 15/8 10'studs 20 GA
Fasteners

LABOR:

1 Carpenter 32 hrs @ 106.27
1 Laborer 4 hrs @ 87.17

LABOR: \$ 3,749.32
MATERIAL: \$ 476.50
SUBTOTAL: \$ 4,225.82
OVERHEAD & PROFIT: \$ 422.58
TOTAL: \$ 4,648.40

THIS AMOUNT \$ 4,648.40 IS TO BE ~~DEDUCTED~~ FROM ORIGINAL CONTRACT AMOUNT.

Mario Sousa
Project Manager

New Generation Painting, Inc.

1R Newbury St. Suite 110

Peabody, MA 01960

(978) 535-0600

www.newgenerationpaintinginc.com

newgenerationpainting@hotmail.com

Consigli Construction

72 Sumner Street

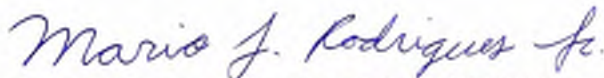
Milford, MA 01757

(508) 473-2580

11/18/2021

ATTN: Chris Weber**RE: 2153 - ASI 176 - Plywood Barrier at Auditorium Rear Catwalk (PH 1)****Paint Plywood Barrier Both Sides of Sloped Support Brackets of Catwalk in Rear of Auditorium - AHS**Labor: 16 hoursBase Wage Rate: \$72.56 ✓Burden - 30%: \$21.77 ✓Overhead and Profit - 10%: \$7.26 ✓**Total Labor Cost:** $\$101.59 \times 16 \text{ hours} =$ \$1,625.44 ✓**Total Material Cost:** 12 gallons of paint at \$45.00 per gallon = \$540.00 ✓**Bond:** \$43.00 ✓**Total Cost for Labor and Materials:** \$2,208.44 ✓

Regards,



Mario Rodriguez Jr. - Assistant Project Manager



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR292
Date: 11/15/21
Job: 2153 Arlington High School
Phone:

Description: ASI-180 - Millwork Box Cover Over Steel Beam_Sub. 040522

Source: ASI # 180

We offer the following specifications and pricing to make the changes as described below:

CR292 includes costs associated with ASI-180 - Provide millwork cover over the Auditorium structural steel box beam that extends beyond the balcony wall (north and south sides) dated 11/11/21 issued by HMFH. Pricing includes Colony Drywall costs for furring/framing perimeter of box beams and Riggs Millwork costs to F&I finished panels to match adjacent balcony panels. Please see attached pricing and associated backup for additional information.

Assumptions & Qualifications:

- Costs associated with overtime/acceleration are not included
- CCC has proceeded with this scope change in order to maintain schedule

Description	Labor	Material	Equipment	Subcontract	Other	Price
Riggs Finish Carpentry - CR292				\$3,685.70		\$3,685.70
Colony Drywall - COP#133 dated 12/31/21				\$833.38		\$833.38
					Subtotal:	\$4,519.08
			Bond (.75%)	\$4,519.08		\$33.89
			General Liability (1.2%)	\$4,519.08		\$54.23
			Subguard (1.4%)	\$4,519.08		\$63.27
			OH&P (5% subs, 10% self perform)	\$4,670.47		\$233.52
					Total:	\$4,903.99

☐ SCHEDULE IMPACT

☒ We have proceeded with this change to achieve schedule.

☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR

72 Sumner Street

M

OWNER

(Signature)

Arthur Duffy

By

04/06/2022

Date

(Signature)

John LaMarre

By

4/5/22

Date

(Signature)

Jim Burrows

By

4/12/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Portland ME • Milford MA

Weber, Chris

From: Weber, Chris
Sent: Monday, November 29, 2021 12:04 PM
To: Arthur Duffy; Jim Burrows; Nguyen, Sy
Cc: Raymond, Hal; Clifford, Victoria; Stephanie MacNeil; Alan Pemstein; Maddie Laberge; Dockendorf, David; LaMarre, John; Saunders, Mason; Condon, Patrick; McWilliams, Chuck; DeRosa, Thomas
Subject: RE: NOC - ASI-180 millwork cover over steel box beam at Auditorium balcony_CR292

Arthur/Jim,





Following up with NOC/ROM pricing associated with ASI-180 – MW Cover over Box Beam at Auditorium dated 11/11/21. See below:

- furnish (2) angular balcony benches to cap exposed box beam w/ maple veneer and clear finish coat per SKA-160 – ROM \$3,000 (3 week lead time from field measure)
- Install (2) benches - \$2,000 ROM

Total ROM associated with ASI-180 = \$6,000. We have assigned **CR292** to this change for tracking purposes. CCC will proceed with this change based on ROM values provided unless otherwise noted.

Thanks and please let me know if you have any questions.
Chris



Chris Weber
Project Manager
m: 774.573.4072
    consigli.com

From: Arthur Duffy <aduffy@hmfh.com>
Sent: Thursday, November 11, 2021 11:27 PM
To: Weber, Chris <cweber@consigli.com>; Dockendorf, David <ddockendorf@consigli.com>; LaMarre, John <JLaMarre@consigli.com>; Saunders, Mason <msaunders@consigli.com>; Condon, Patrick <PCondon@consigli.com>; McWilliams, Chuck <cmcwilliams@consigli.com>; DeRosa, Thomas <tderosa@consigli.com>
Cc: Jim Burrows <jim.burrows@skanska.com>; Nguyen, Sy <Sy.Nguyen@skanska.com>; Raymond, Hal <hal.raymond@skanska.com>; Clifford, Victoria <Victoria.Clifford@skanska.com>; Stephanie MacNeil <smacneil@hmfh.com>; Alan Pemstein <apemstein@hmfh.com>; Maddie Laberge <MLaberge@hmfh.com>
Subject: ASI-180 millwork cover over steel box beam at Auditorium balcony

Attached is ASI-180 and Sketch SKA-160 for a millwork covering over the steel box beam that extends beyond the face of the balcony millwork guard wall.

Arthur Duffy AIA
Senior Associate | 617 844 2130

H M
F H

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 180

date: 11.11.2021

subject: Provide millwork cover over the Auditorium structural steel box beam that extends beyond the balcony wall (north and south sides).

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☐ Consigli
☒ HMFH Architects ☐ Other:

reference: Drawings: A8.6.1, A8.6.2 (and A2.3e)

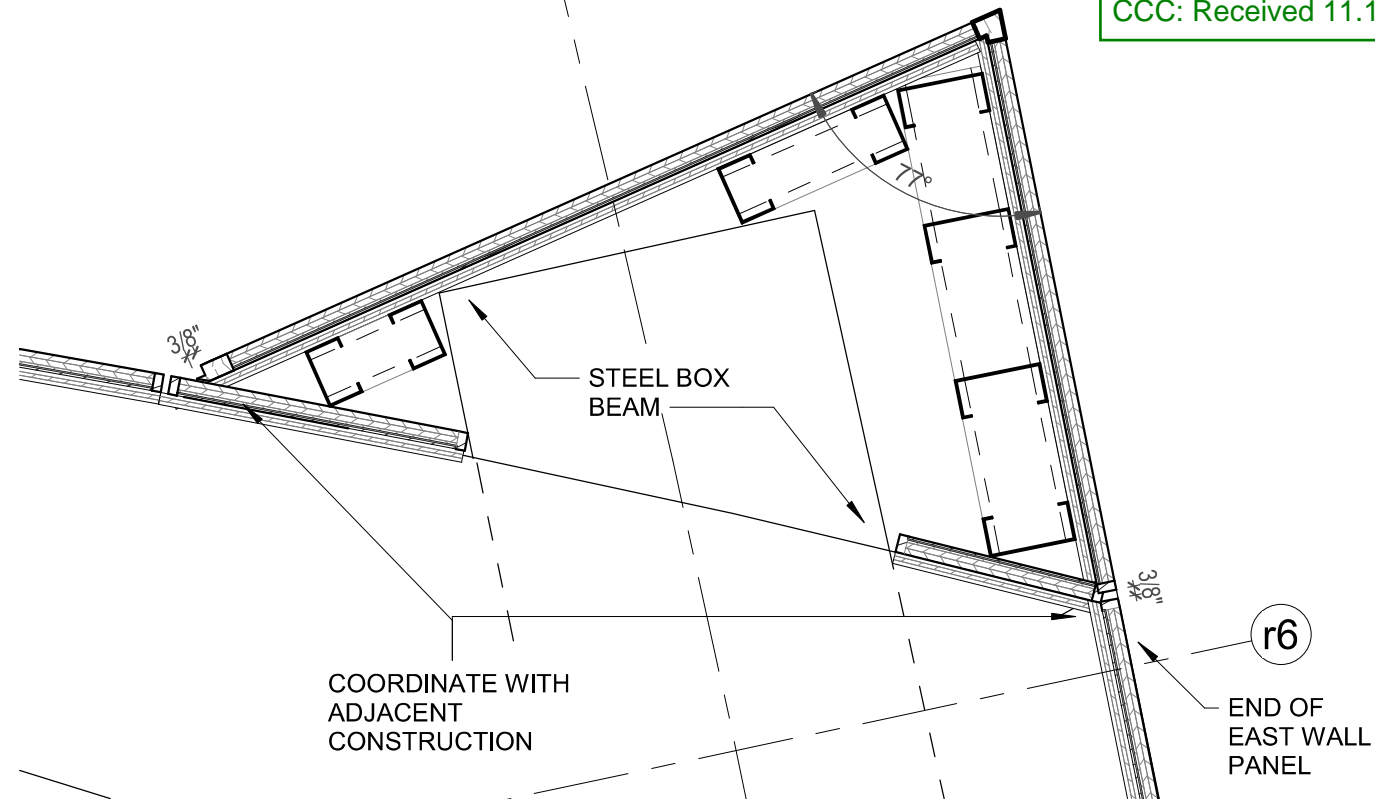
attachments: Sketch SKA-160

OFFICE. (617) 492 2200
FAX. (617) 876 9775130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

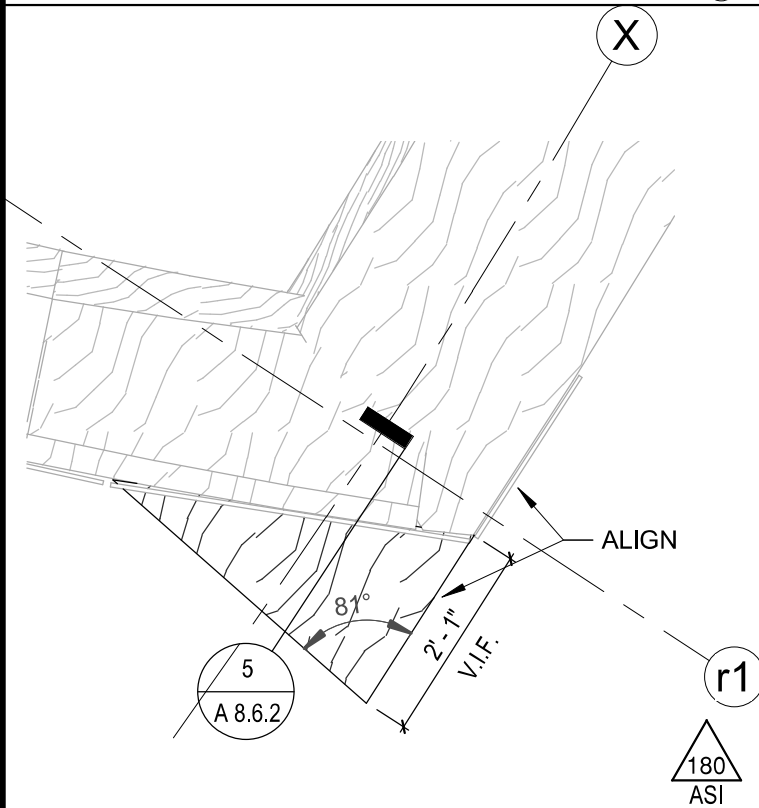
The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

At the north and south Auditorium balconies the steel box beam extends beyond the face of the balcony guard walls. Provide millwork covering to conceal the box beam. See attached Sketch **SKA-160**.

**BALCONY BENCH - NORTH - Plan Detail**

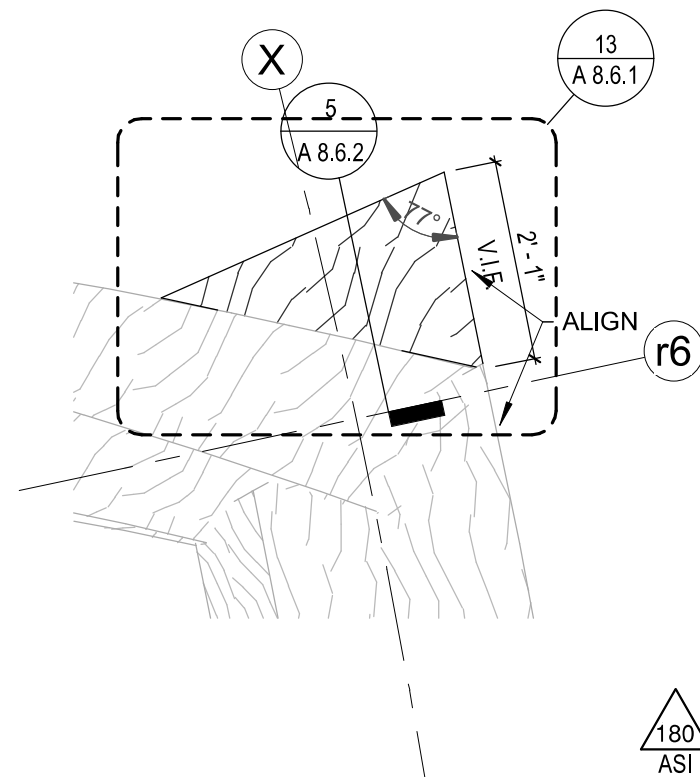
BALCONY SOUTH - SIM/OPP HAND 1 1/2" = 1'-0"

13

**BALCONY BENCH - SOUTH**

1/2" = 1'-0"

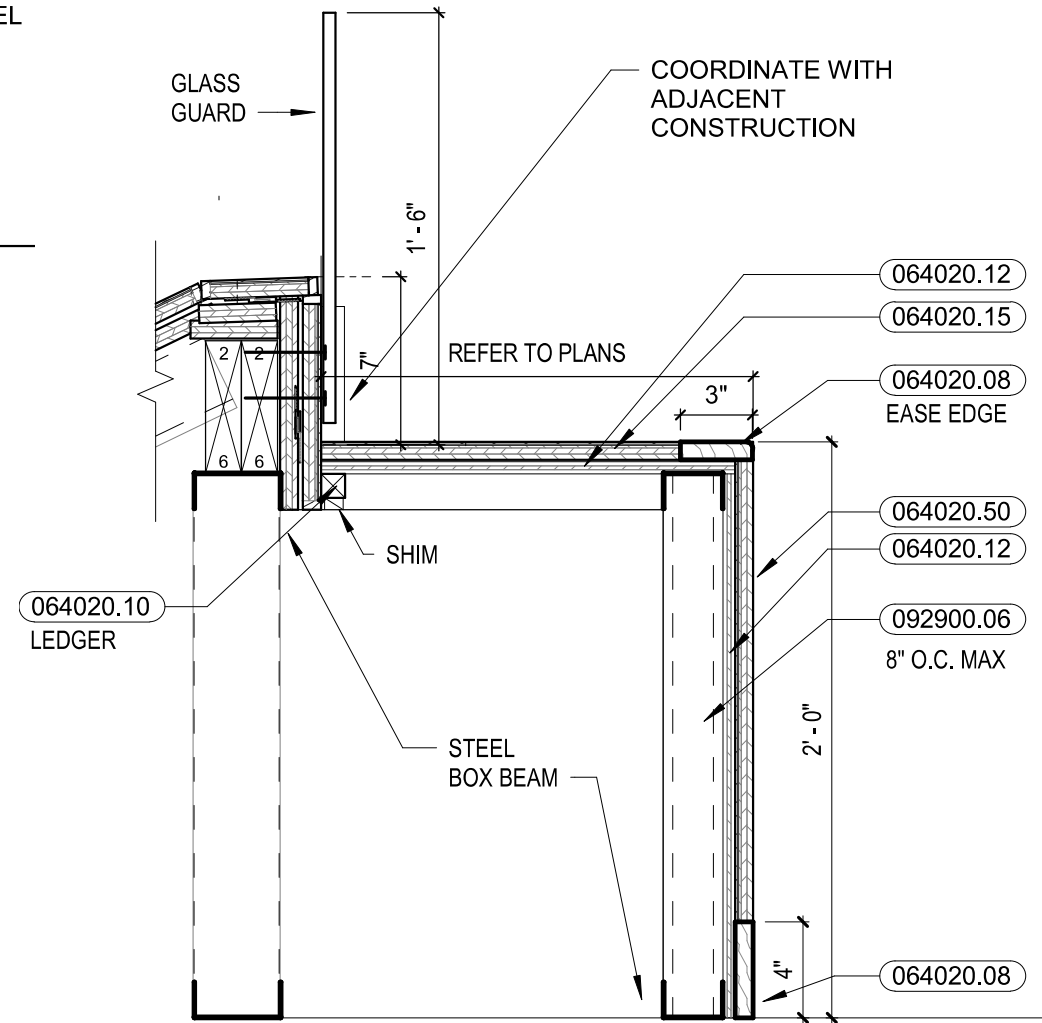
12

**BALCONY BENCH - NORTH**

1/2" = 1'-0"

11

Note: glass guard is per CCD 32

**SECTION @ WOOD BENCH - AUDITORIUM**

1 1/2" = 1'-0"

5

**Arlington High School**

869 Massachusetts Ave, Arlington, MA

New Details: 11, 12 & 13/A8.6.1 and 5/A8.6.2

HMFH ARCHITECTS**HMFH**130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com



1119 State Road, Unit #1, Westport, MA 02790

(508) 677-9880 • Fax (508) 679-9006

December 31, 2021

Consigli Construction

72 Sumner Street

Milford, MA 01757

ATT: Chris Weber/ John Lamarre

Re: Arlington High School

ASI 180

CHANGE ORDER PROPOSAL NO. 133

The Following Proposal is to furnish & Install materials to construct 2 steel beam enclosures in the auditorium.

MATERIALS:

4 pc 2 ½ Track

6 pc 2 ½ Studs

Misc Fasteners

LABOR:

1 Carpenter 6 hrs @ 106.27

LABOR: \$ 637.62 ✓

MATERIAL: \$ 120.00 ✓

SUBTOTAL: \$ 757.62 ✓

OVERHEAD & PROFIT: \$ 75.76 ✓

TOTAL: \$ 833.38 ✓

THIS AMOUNT \$ 833.38 IS TO BE ADDED TO THE ORIGINAL CONTRACT AMOUNT.

Mario Sousa

Project Manager

Jeffrey Arruda

Estimator

jeff.colony@yahoo.com

Patricia Moniz

Executive

pat.colony@yahoo.com

Kelly Silva

Executive Assistant

kelly.colony@yahoo.com

Mario Sousa

Project Manager

marios.colony@yahoo.com



Change Request

To:

Number: CR292

Date: 11/24/21

Job: 2153 Arlington High School

Phone:

Description: ASI-180 - Millwork Box Cover Over Steel Beam

Source: ASI # 180

We offer the following specifications and pricing to make the changes as described below:

CR292 includes costs to field measure/template, fabricate, and install custom millwork panels to wrap the exposed edges of auditorium balcony box beam to match adjacent Armstrong panels. Please see attached pricing for additional information.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Carp Foreman - 8hrs x \$125.08/hr	\$1,000.64					\$1,000.64
CCNY - CO#004 dated 11/29/21				\$2,350.00		\$2,350.00
					Subtotal:	\$3,350.64
			10% OH&P			\$335.06
					Total:	\$3,685.70

☐ SCHEDULE IMPACT☐ We have proceeded with this change to achieve schedule.☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Riggs Contracting Inc.

CONTRACTOR

72 Sumner Street

Milford, MA 01757

OWNER

(Signature)

(Signature)

(Signature)

By

By

By

Date

Date

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com

Hartford CT • Portland ME • Milford MA

CONSIGLI CONSTRUCTION NY
ARCHITECTURAL WOODWORKING DIVISION

199 West Road
Pleasant Valley, New York 12569
845 790-9208 / Fax 845 790-9225

11/29/2021

CHANGE ORDER # 562-004

Re: AS1 #180 – Addition of (2) custom box beam cover benches at auditorium balcony locations

Description of Changes/Additions:

Addition of (2) custom angular balcony benches to cap off exposed box beam at balcony north and south location. Maple veneer benches fabricated with 3/4" thick solid hardwood maple corners, ends and top edges per (Details 5,11,12,13/SKA160). Benches finished in a clear natural topcoat to match surrounding Armstrong balcony panel. Benches fabricated to be scribed to fit on site.

(2) Auditorium balcony bench assemblies: \$2,350.00 ✓

This change includes only the items and quantities listed above, materials are delivered to job site to be installed by others.

CCNY Millshop,

Approved by: _____ Date: _____



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR302
Date: 12/7/21
Job: 2153 Arlington High School
Phone:

Description: CW Steel Support Angles at Doors

We offer the following specifications and pricing to make the changes as described below:

Per the cross sections, the curtainwalls at door locations do not structurally connect to the building/foundation. Previous design was for the curtainwall structural load to bear vertically on sidewalk concrete. As discussed on Tuesday 11/30/21, it was concluded that a steel angle needed to be calculated, installed for the curtainwall units to be installed. See included calculations by Larson.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Avid Ironworks - PCO#012 dated 12/6/21, Edited as no field labor provided. Installed by others.	5-501				\$1,731.00		\$1,731.00
R&R Window COR #102 dated 10/27/21 for additional steel angle required below the curtainwall doors. See included calculations by Larson.	8-520				\$4,199.18		\$4,199.18
						Subtotal:	\$5,930.18
				Bond (.75%)	\$5,930.18		\$44.48
				General Liability (1.2%)	\$5,930.18		\$71.16
				Subguard (1.4%)	\$5,930.18		\$83.02
				OH&P (5% subs, 10% self perform)	\$6,128.84		\$306.44
						Total:	\$6,435.28

- ☐ SCHEDULE IMPACT
☐ We have proceeded with this change to achieve schedule.
☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT


(Signature)
Arthur Duffy

By
04/06/2022

Date

Consigli Construction Co., Inc.

CONTRACTOR
72 Sumner Street
Milford, MA 01757


David Dockendorf

(Signature)
David Dockendorf

By
03/24/2022

Date

OWNER


(Signature)
Jim Burrows

By
4/12/2022

Date

REQUEST FOR CHANGE ORDER

Avid Ironworks, Inc.
40 Rose Street
Springfield, MA 01104-1743

Date: 12/6/21
Project: Arlington High School
Location: Arlington, MA
General Contractor: Consigli
RCO#: 12

Request to change (add) the following work to the original contract :

Furnish and install seven(7) galvanized sill support angles anchored to the slab on grade with 3/8" expansion bolts.

Material-----	\$ 950.00	
Shop Labor-----	\$ 600.00	
Field Labor-----	\$2,080.00	
Subtotal-----	\$3,630.00	\$1,550
10% OH & P-----	\$ 363.00	\$155
Subtotal-----	\$3,993.00	\$1,705
P&P Bond Premium-----	\$ 60.00	\$26
Total-----	\$4,053.00	\$1,731

Field labor was not provided.
Installed by others.

Estimated total cost of change order ~~\$4,053.00~~ **\$1,731** ✓

We agree with the above listed change order and the associated costs and direct Avid Ironworks to proceed with the above listed work. The above additional work to be performed under the same conditions as specified in the original contract unless otherwise stipulated.

All work will begin after a signed contract change order from the general contractor/owner has been received.

Avid Ironworks, Inc.

Signature

Printed Name

Title

Date

General Contractor

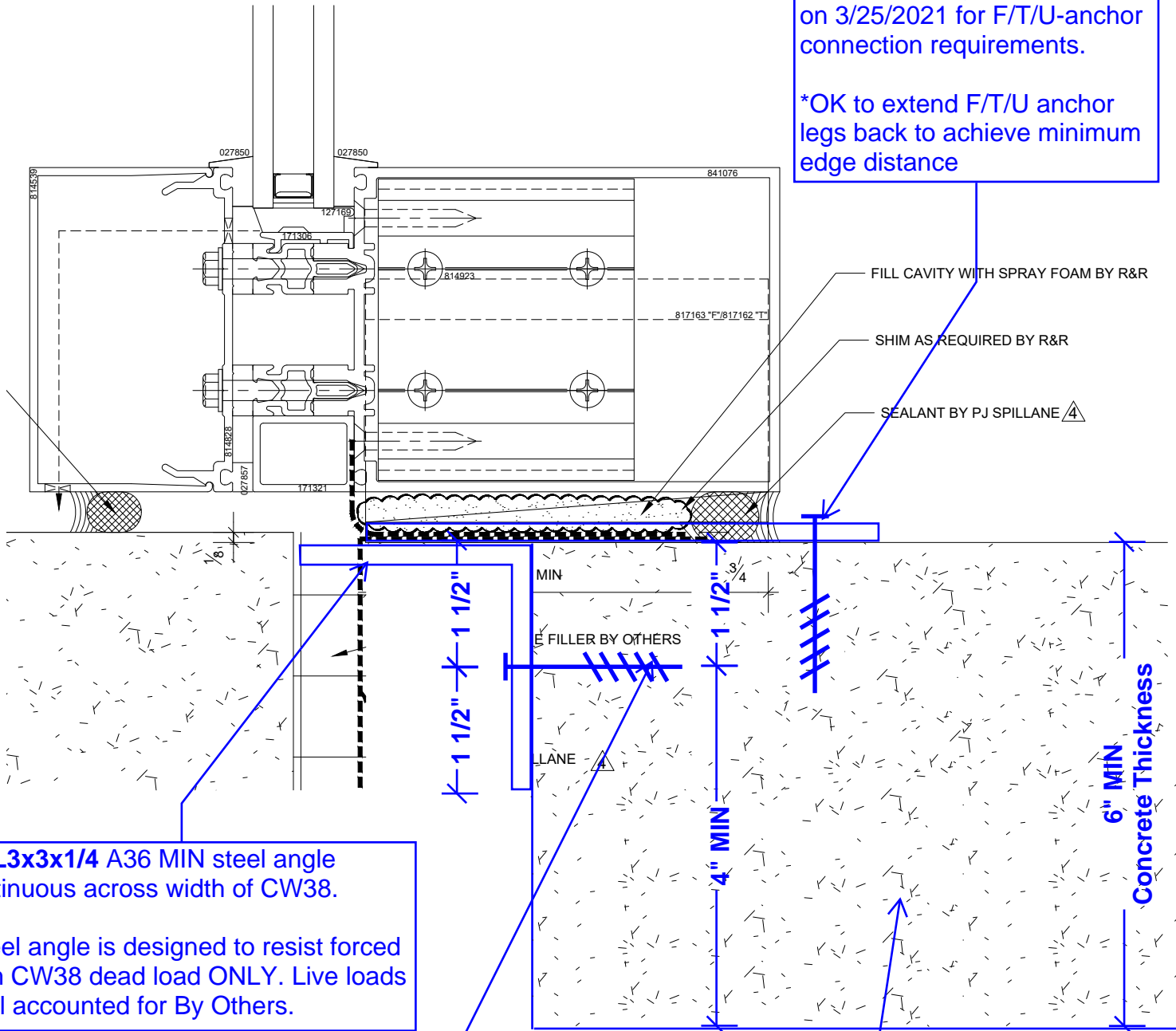
Signature

Printed Name

Title

Date

CW38 Sill DL Angle





R&R WINDOW CONTRACTORS, INC.

Main Office:
One Arthur Street
Easthampton, MA 01027
Phone: (413) 527-7500
Fax: (413) 527-0289
www.rrwindow.com
AA/EEO CTR GLZ.0001293-EG1

CHANGE ORDER REQUEST

BILL

TO: Consigli Construction Co.
72 Sumner Street
Milford MA 01757

WORK Arlington High School - MA
DONE 869 Massachusetts Avenue
AT: Arlington, MA 01773

CUST# 10775

JOB NO.	CUST ORDER#	TERMS	REQUEST NUMBER	DATE
T20038-102			102	10/27/21

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
	Any Materials included in the below pricing will be ordered upon R & R's receipt and acceptance of a written official change order. Materials: Steel angle L3x3x1/4 A36 length 88", 3/8" Hilti KWIK HUS-EZ bolts w/ 3 1/4". Larson engineering calculation, R&R labor in shop, construction site and drafting.		
	Steel angle L3x3x1/4 A36 length	10/27/21	390.00
	3/8" Hilti KWIK HUS-EZ bolts w/	10/27/21	90.00
4.00	Labor to revise the shop drawingW/E	10/27/21 50.00	200.00
	LARSON calculations.	W/E 10/27/21	✓ 600.00
12.00	Labor in R&R shop	W/E 10/27/21 55.00	660.00
24.00	Labor on construction site	W/E 10/27/21 89.52	2,148.48
			<u>4,088.48</u>
	OVERHEAD		<u>54.00</u>
			<u>4,142.48</u>
	PROFIT		<u>56.70</u>
	SUBTOTAL		4,199.18
	C/O REQUEST TOTAL	✓	<u>\$4,199.18</u>

When applicable, tax is
included in the above price



Larson

ADDITIONAL SERVICES PROPOSAL

October 27, 2021

Mr. Justin Provencal
R&R Window Contractor, Inc.
One Arthur Street
Easthampton, MA 01027

PHONE: (413) 527-7500
FAX: (413) 527-0289

Dear Mr. Provencal:

Larson Engineering, Inc. (LEI), acting as an independent contractor to the Client addressed above, respectfully submits the following **Proposal for Additional Engineering Services**.

PROJECT

Arlington High School
Sill Dead Load Steel Angle at CW38
869 Massachusetts Ave
Arlington, MA

LEI Project No.: 27200020.004

SCOPE OF ADDITIONAL ENGINEERING SERVICES

Sill Dead Load Steel Angle at CW38

LEI's Scope of Additional Engineering Services (Additional Service) is limited to additional calculations for CW38 sill dead load support angle after original signed and sealed calculations were submitted on 3/25/2021. Services shall include the analysis of the sill dead load support steel angle and its connection to the existing building substrates as indicated on the supplied delegated design drawings.

FEES

We propose to perform the Additional Service described herein for a lump sum fee of **SIX HUNDRED AND NO/100 DOLLARS (\$600.⁰⁰)**.

TERMS AND CONDITIONS

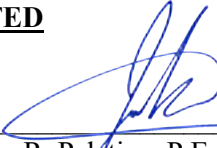
Terms and Conditions of this Agreement shall be in accordance with our primary agreement executed February 24, 2021.

An Agreement with LEI may be initiated by completion, with signature, of the acceptance block and return of one copy of this Proposal to LEI. Per your verbal authorization, Additional Service has begun and will continue in accordance with our primary agreement unless prompt, written notice, directing otherwise, is received from your office.

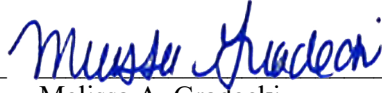
October 27, 2021

Mr. Justin Provencal
R&R Window Contractor, Inc.

SUBMITTED



Jake R. Palatine, P.E.



Melissa A. Gradecki

ACCEPTANCE

To accept this Proposal as written, please execute by signing below and return a copy to LEI for countersigning by LEI. A fully executed copy will be returned to Client.

This Proposal shall become an Agreement only after execution by both parties.

By execution with signature below, signatory indicates that they have read, understood, and agree with the terms of this Proposal in its entirety and have the authority to enter into this Agreement on behalf of Client. By execution of this Agreement, Client agrees to compensate LEI for all Additional Services performed in accordance with this Agreement, whether or not Client's client has formally agreed to the Additional Services above.

Company:	_____	Larson Engineering, Inc.
Signature:	_____	Signature: _____
Name (Print):	_____	Name (Print): <u>Melissa A. Gradecki</u>
Title:	_____	Title: <u>Curtain Wall Department Head</u>
Date:	_____	Date: _____
Client Proj. #:	_____	

JRP:ng



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR306
Date: 12/13/21
Job: 2153 Arlington High School
Phone:

Description: ASI-184 - Guidance Suite RCP Coordination Adjustments (PH 2)_4-6-22

Source: ASI # 184

We offer the following specifications and pricing to make the changes as described below:

Due to MEP coordination, ASI 184 has lowered a portion of the ceiling, however added scope to jog the ceiling maintaining the tie-in point at the exterior curtainwall mullion.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
K&K - ASI-184 Proposal dated 4/5/22 to furnish and install 12" axiom in rooms 103-107.	9-502				\$3,458.00		\$3,458.00
						Subtotal:	\$3,458.00
				Bond (.75%)	\$3,458.00		\$25.94
				General Liability (1.2%)	\$3,458.00		\$41.50
				Subguard (1.4%)	\$3,458.00		\$48.41
				OH&P (5% subs, 10% self perform)	\$3,573.85		\$178.69
						Total:	\$3,752.54

- ☐ SCHEDULE IMPACT
☐ We have proceeded with this change to achieve schedule.
☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
72 Sumner Street
Milford, MA 01757

OWNER

(Signature)

Arthur Duffy

By

04/06/2022

Date

(Signature)

David Dockendorf

David Dockendorf

By

04/06/2022

Date

(Signature)

Jim Burrows

By

4/12/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Portland ME • Milford MA

K & K ACOUSTICAL CEILINGS, INC.

April 5, 2022

Consigli Construction Co., Inc.
72 Summer Street
Milford, MA 01757

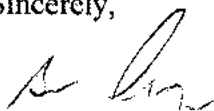
Attn: Dave Dockendorf

Reference: Arlington High School – ASI 184

- 50 linear feet 12" Axiom in Rooms 103-107

Material	\$2,100.00
Labor 12hrs x 87p/h	<u>\$1,044.00</u>
	\$ 3,144.00
10% o/p	<u>\$ 314.00</u>
Total	\$ 3,458.00

Sincerely,



Glenn Aubrey



ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 184

date: 11.15.2021

subject: Guidance Suite Coordination - RCP Adjustments

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☐ Consigli
☒ HMFH Architects ☐ Other:

reference: Drawings: A3.0b, A3.6

attachments: Sketch SKA-164a, SKA-164b

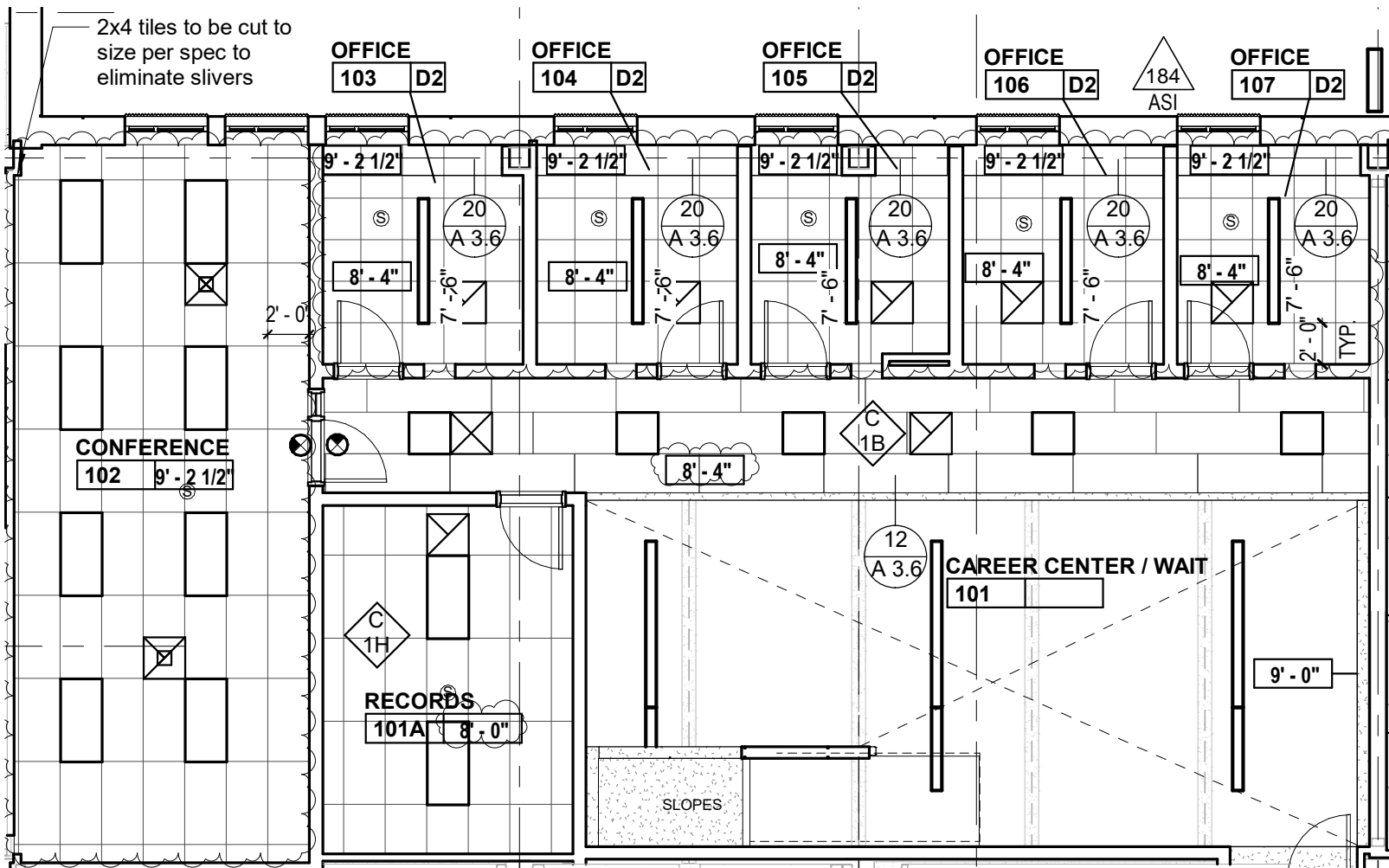
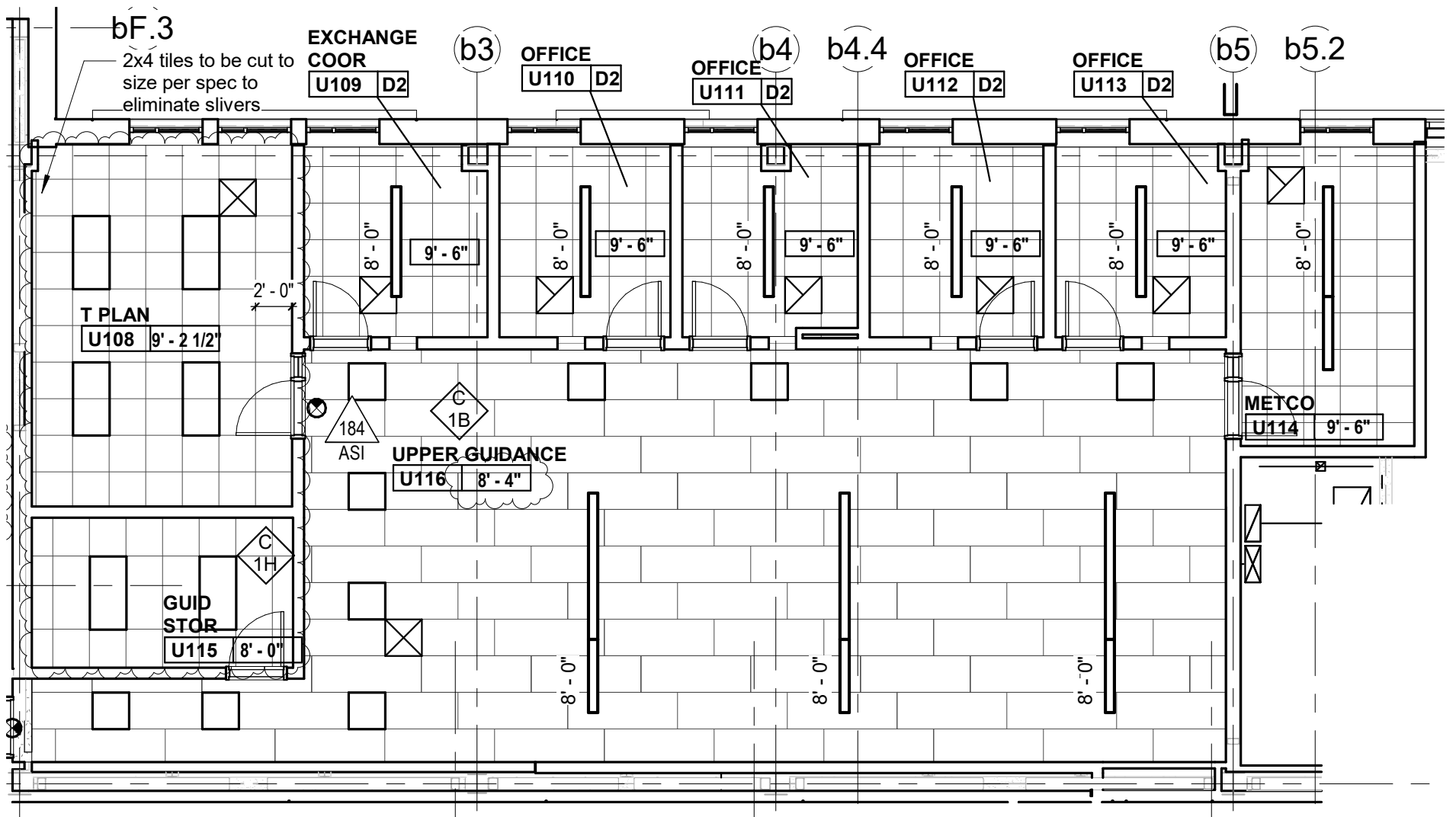
OFFICE. (617) 492 2200
FAX. (617) 876 9775

130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

See attached SKAs for ceiling adjustments made to the guidance suite as a result of MEP coordination. A new detail (20/A3.6) was necessary at the first floor exterior wall in offices 103 thru 107 to accommodate a lower ceiling height within the office, and maintain the ceilings relationship with the CW at the exterior wall.



ASI-184

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

HMFH

Arlington High School

869 Massachusetts Ave, Arlington, MA

Revision to A3.0b

Guidance Suite RCP Coordination Adjustments

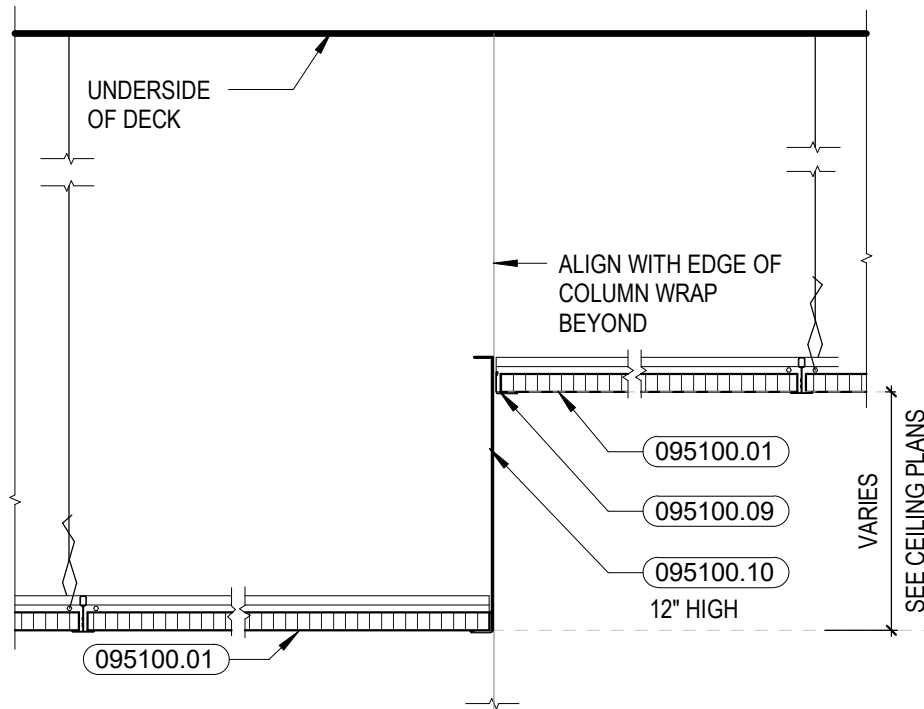
SCALE: 1/8" = 1'-0" DATE: 11-15-21 DRAWN: ML CHECKED: AD

DRAWING NUMBER

SKA
164a

JOB NUMBER

408417



Ceiling Detail 02 20
 1 1/2" = 1'-0" 184
ASI

ASI-184

HMFH ARCHITECTS

130 Bishop Allen Drive
 Cambridge, MA 02139
 617 492 2200
 @HMFHarch hmfh.com

**H
M
F
H**

Arlington High School
 869 Massachusetts Ave, Arlington, MA
 New Detail 20/A3.6
 Guidance Suite RCP Coordination
 Adjustments

SCALE: 1/8" = 1'-0" DATE: 11-15-21 DRAWN: ML CHECKED: AD

DRAWING NUMBER

SKA
164b

JOB NUMBER 408417



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR320
Date: 1/4/22
Job: 2153 Arlington High School
Phone:

Description: RFI-392 - Added GWB at CW49 Returns_T&M_Sub. 3.23.22

Source: RFI # 392

We offer the following specifications and pricing to make the changes as described below:

CR320 includes Colony Drywall costs associated with RFI #392 CW49/HSS Conflict at SE Corner (BLDG E; Level 4) issued by HMFH on 06.25.2. The architectural drawings and specifications did not illustrate the new relationship of CW49 (RFI 392) to the masonry/sheathing AVB, however, additional GWB on CW49 returns was required per RFI #392. CCC will proceed with this scope to maintain schedule on T&M. Please see the attached pricing and associated backup for additional information.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Colony Drywall - COP#137 dated 1/14/22				\$3,329.65		\$3,329.65
					Subtotal:	\$3,329.65
			Bond (.75%)	\$3,329.65		\$24.97
			General Liability (1.2%)	\$3,329.65		\$39.96
			Subguard (1.4%)	\$3,329.65		\$46.62
			OH&P (5% subs, 10% self perform)	\$3,441.20		\$172.06
					Total:	\$3,613.26

☐ SCHEDULE IMPACT

☒ We have proceeded with this change to achieve schedule.

☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
72 Sumner Street
Milford, MA 01757

OWNER

(Signature)

Arthur Duffy

By

04/06/2022

Date

(Signature)

John LaMarre

By

3/22/2022

Date

(Signature)

Jim Burrows

By

4/12/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Portland ME • Milford MA

CW49/HSS Conflict at SE Corner E4

TO:	Arthur Duffy (HMFH Architects)	FROM:	David Dockendorf (Consigli Construction Co., Inc.) 72 Sumner Street Milford, Massachusetts 01757
DATE INITIATED:	06/08/2021	STATUS:	Open
LOCATION:	Building E	DUE DATE:	06/13/2021
COST CODE:		REFERENCE:	
COST IMPACT:		SCHEDULE IMPACT:	
DRAWING NUMBER:		SPEC SECTION:	
RECEIVED FROM:	Justin Provencal (R&R Window Contractors, Inc.)		

COPIES TO:

David Dockendorf (Consigli Construction Co., Inc.), Haley Donovan (Consigli Construction Co., Inc.), Arthur Duffy (HMFH Architects), Vianely Franco (HMFH Architects), Jennifer Grymek (Foley Buhl Roberts & Associates, Inc.), John LaMarre (Consigli Construction Co., Inc.), Scott Martino (Consigli Construction Co., Inc.), Chuck McWilliams (Consigli Construction Co., Inc.), Cam Patch (Consigli Construction Co., Inc.), David Rockwood (Consigli Construction Co., Inc.), Kevin Samya (Consigli Construction Co., Inc.), Chris Weber (Consigli Construction Co., Inc.)

Question from David Dockendorf (Consigli Construction Co., Inc.) at 05:30 PM on 06/08/2021

Please reference A5.1e.2 and 10/A7.2.7

The HSS steel member is located and installed per the structural drawings, which is approximately 4'-0" lower than where the architectural drawings locate this HSS member. This HSS member is in conflict with the CW49 location. Please advise.

Attachments:

[CW49 detail.png](#)

Awaiting an Official Response

All Replies:

See attached correspondence and Preliminary revised shop drawing for CW-049.

The following approach is taken:

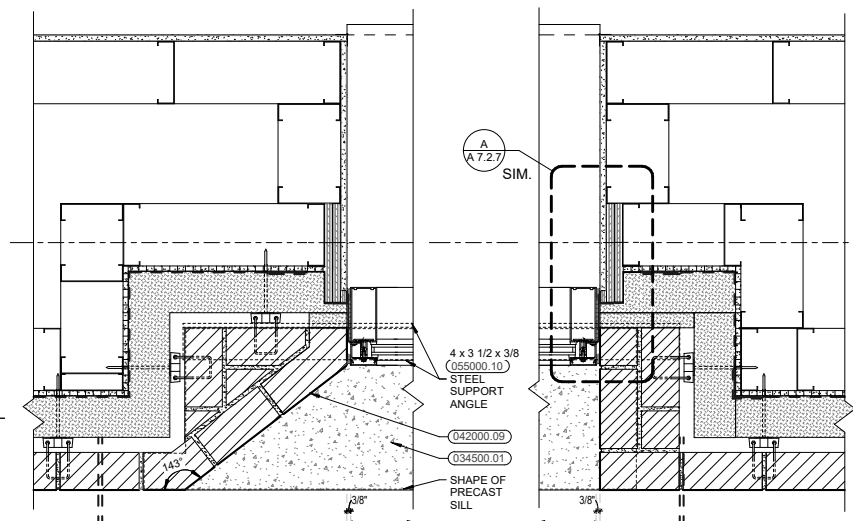
The CW snap-cover depth is to be reduced to the (standard) ~3/4" cover.

The CW is shifted out 1/3/4".

The interior face of the CW tube is to be notched around the HSS with clip angle steel anchoring to the HSS. (HSS can maintain it's Spray FP approach as it is concealed above the soffit).

The wall construction (Studs, Blocking, Masonry) remain unchanged.

We will prepare a sketch for refinements showing the new relationship of the CW to the masonry/sheathing AVB. Preliminary sketch below:



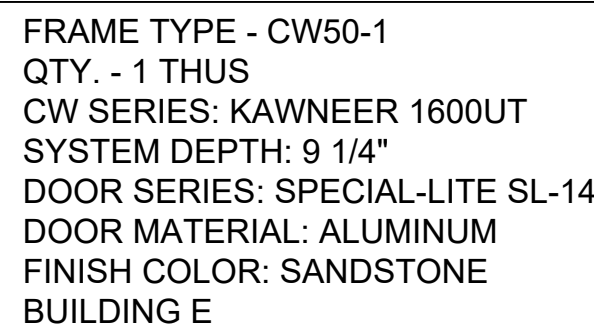
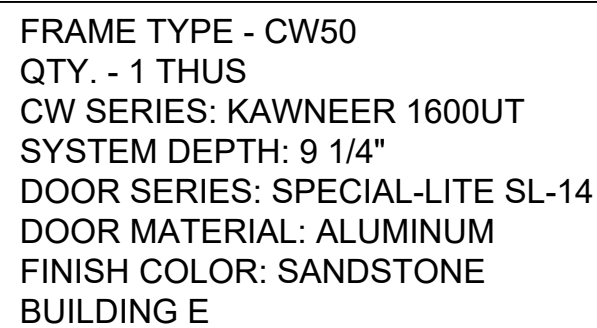
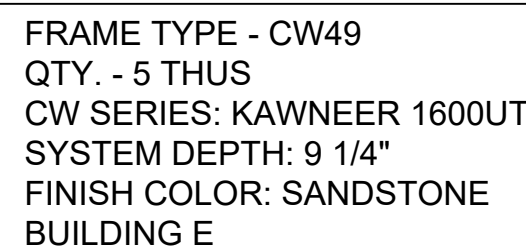
Detail 8/A7.2.7 Revised position of CW (see also CW shop drawing attached)



06/25/2021

BY

DATE

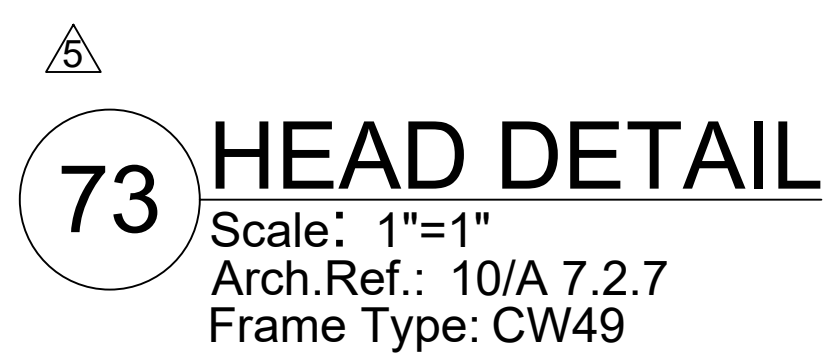
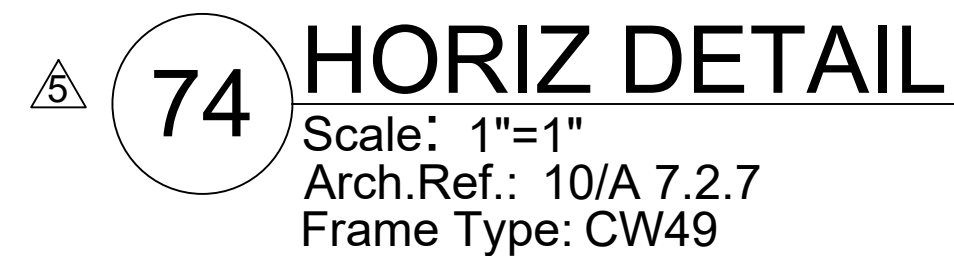


GLASS TYPES

<u>GL-DG1</u>	1"	CLEAR TEMPERED GLASS
<u>GL-DG1S</u>	1"	SPANDREL GLASS
<u>GL-DG2</u>	1"	CLEAR TEMPERED GLASS
<u>GL-DG2S</u>	1"	SPANDREL GLASS
<u>GL-DSG1</u>	1 $\frac{1}{8}$ "	SECURITY GLASS
<u>GL-TG2</u>	1 $\frac{3}{4}$ "	CLEAR TEMPERED GLASS
<u>GL-TG2S</u>	1 $\frac{3}{4}$ "	SPANDREL GLASS
<u>GL-TSG2</u>	1 $\frac{1}{8}$ "	SECURITY GLASS
<u>GL-DSG2</u>	1 $\frac{1}{8}$ "	SECURITY GLASS
<u>GL-DG3</u>	1"	CLEAR TEMPERED GLASS
<u>GL-TG3</u>	1 $\frac{3}{4}$ "	CLEAR TEMPERED GLASS
<u>GL-DSG3</u>	1 $\frac{1}{8}$ "	SECURITY GLASS
<u>GL-TSG3</u>	1 $\frac{1}{8}$ "	SECURITY GLASS
<u>GL-SS</u>		SINTERED STONE

06/21/2021 4:05:06 PM

DRAWN BY: CR	DATE: 2/5/21	JOB NO.: T20038	<div><p>MAKING A DIFFERENCE SINCE 1978...AND IT SHOWS!</p></div>	PROJECT:	ARLINGTON HIGH SCHOOL	NO	DESCRIPTION	DATE
	DRAWING NAME: FRAME SCHEDULE			LOCATION:	869 MASSACHUSETTS AVE, ARLINGTON, MASSACHUSETTS			
SHEET NO.: 413	SCALE TO: 3/8"=1'-0"	ARCHITECT:		HMFH ARCHITECTS, IN., CAMBRIDGE, MASSACHUSETTS	4	ARCHITECT/G.C. COMMENTS ARCH/G.C. MARK-UPS	05.20.21	
		OWNER:		TOWN OF ARLINGTON MASSACHUSETTS				
		TITLE:		CURTAINWALL SUBMITTAL				2



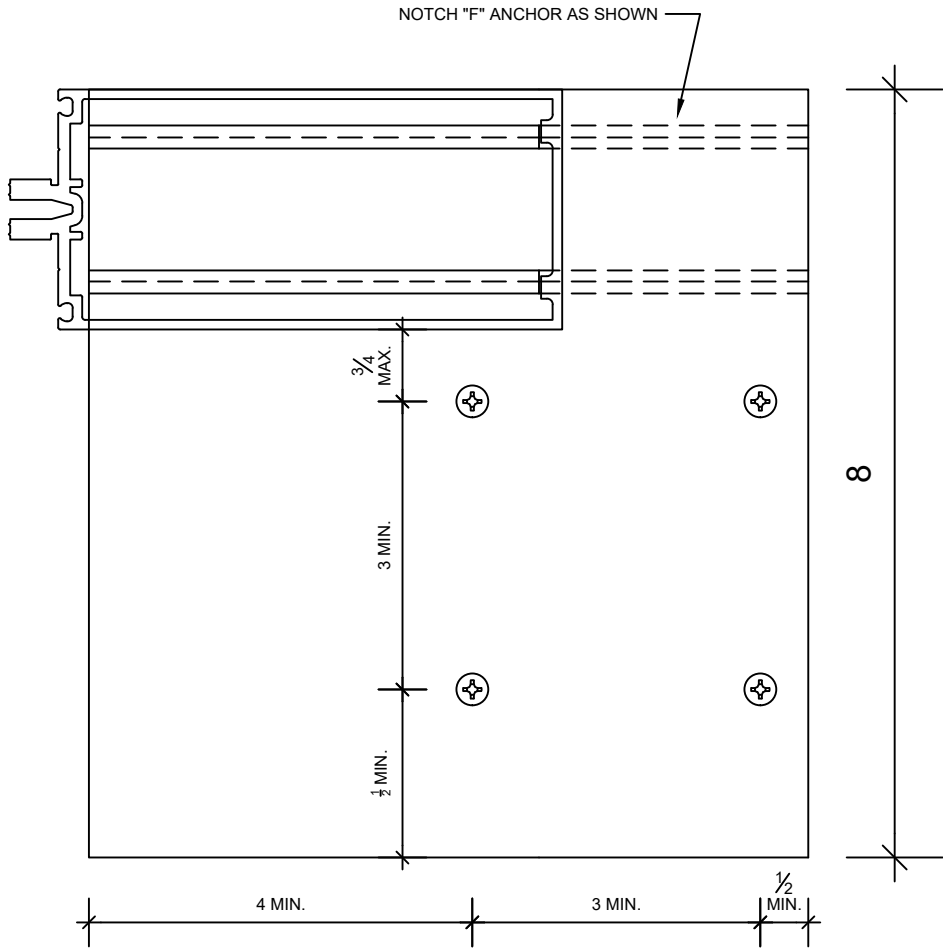
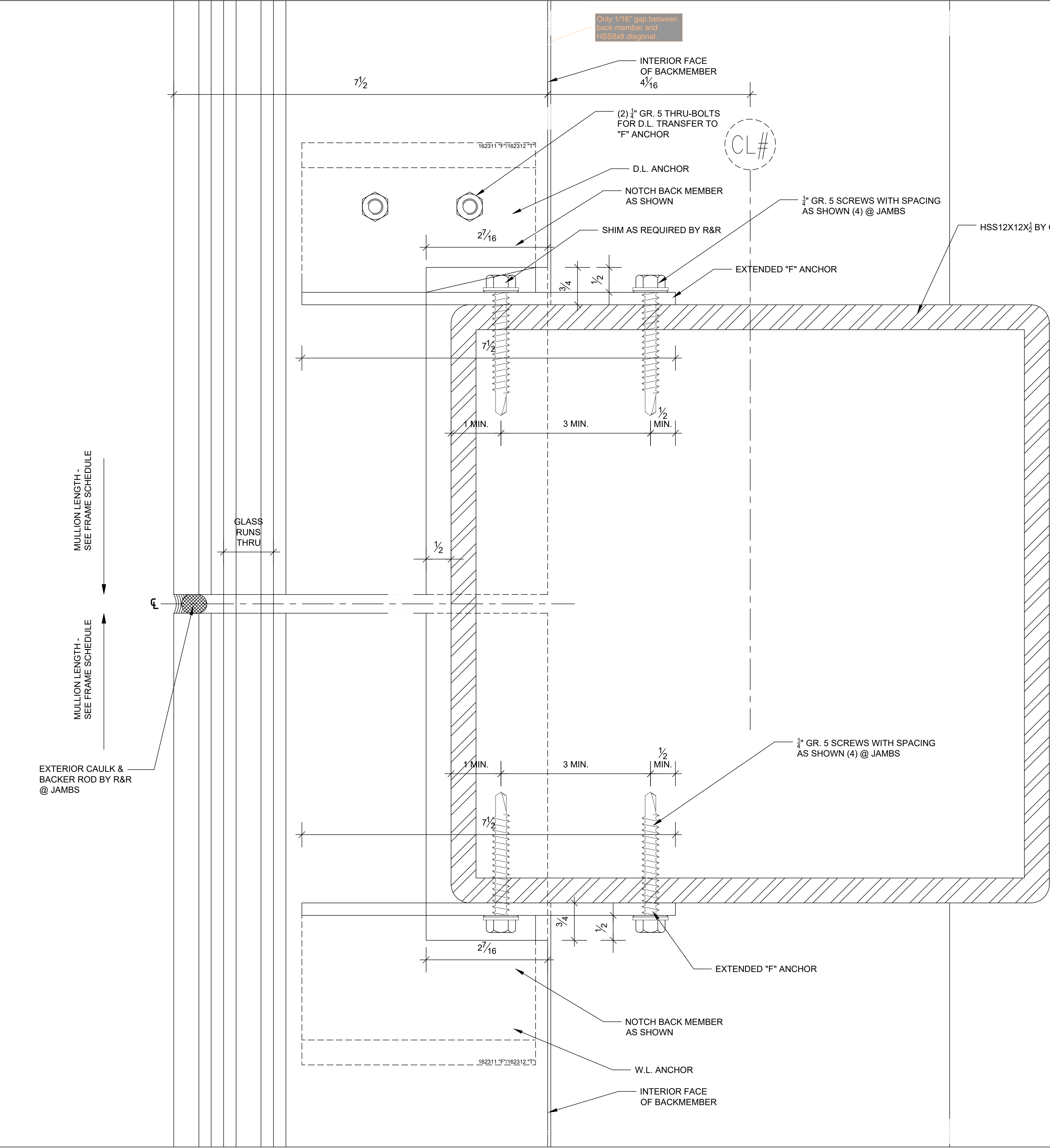
DRAWN BY: CR		DATE: 2/5/21	JOB NO.: T20038
DRAWING NAME: DETAILS			
SHEET NO.: 550		SCALE TO 3/8X24: 1"= 1"	



R&R
WINDOW
CONTRACTORS, INC.

MAKING A DIFFERENCE SINCE 1978...AND IT SHOWS!

PROJECT:	ARLINGTON HIGH SCHOOL		
LOCATION:	869 MASSACHUSETTS AVE, ARLINGTON, MASSACHUSETTS		
ARCHITECT:	HMFH ARCHITECTS, IN., CAMBRIDGE, MASSACHUSETTS		
OWNER:	TOWN OF ARLINGTON MASSACHUSETTS		
TITLE:	CURTAINWALL SUBMITTAL		
	NO	DESCRIPTION	DATE
	4	ARCHITECT/G.C. COMMENTS	05.20.21
	3	STRUCTURAL CALCULATIONS	04.12.21



ANCHOR LAYOUT

74A

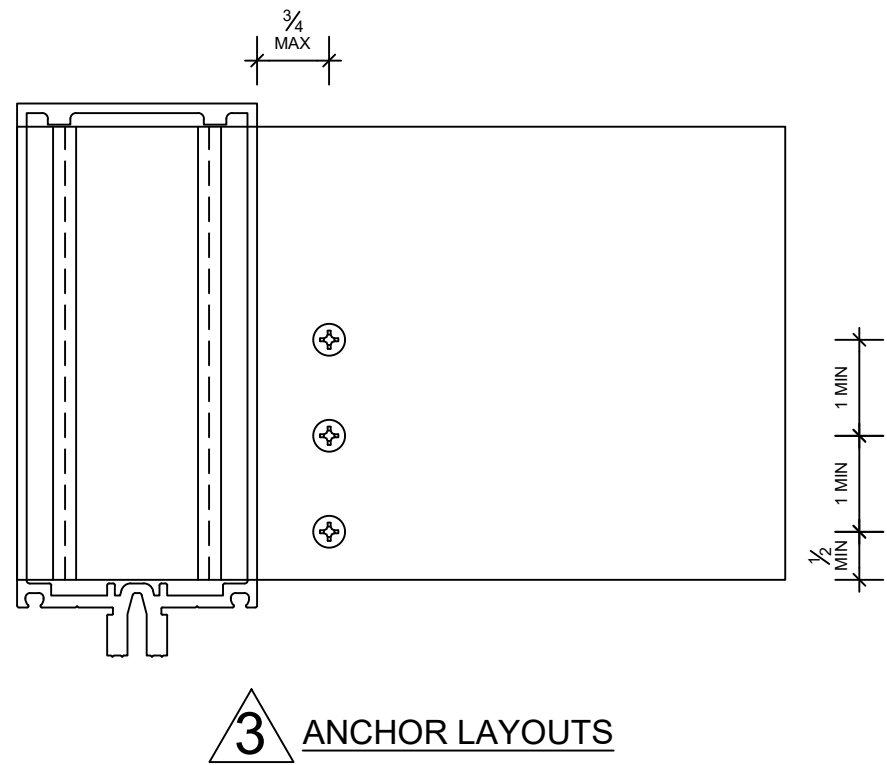
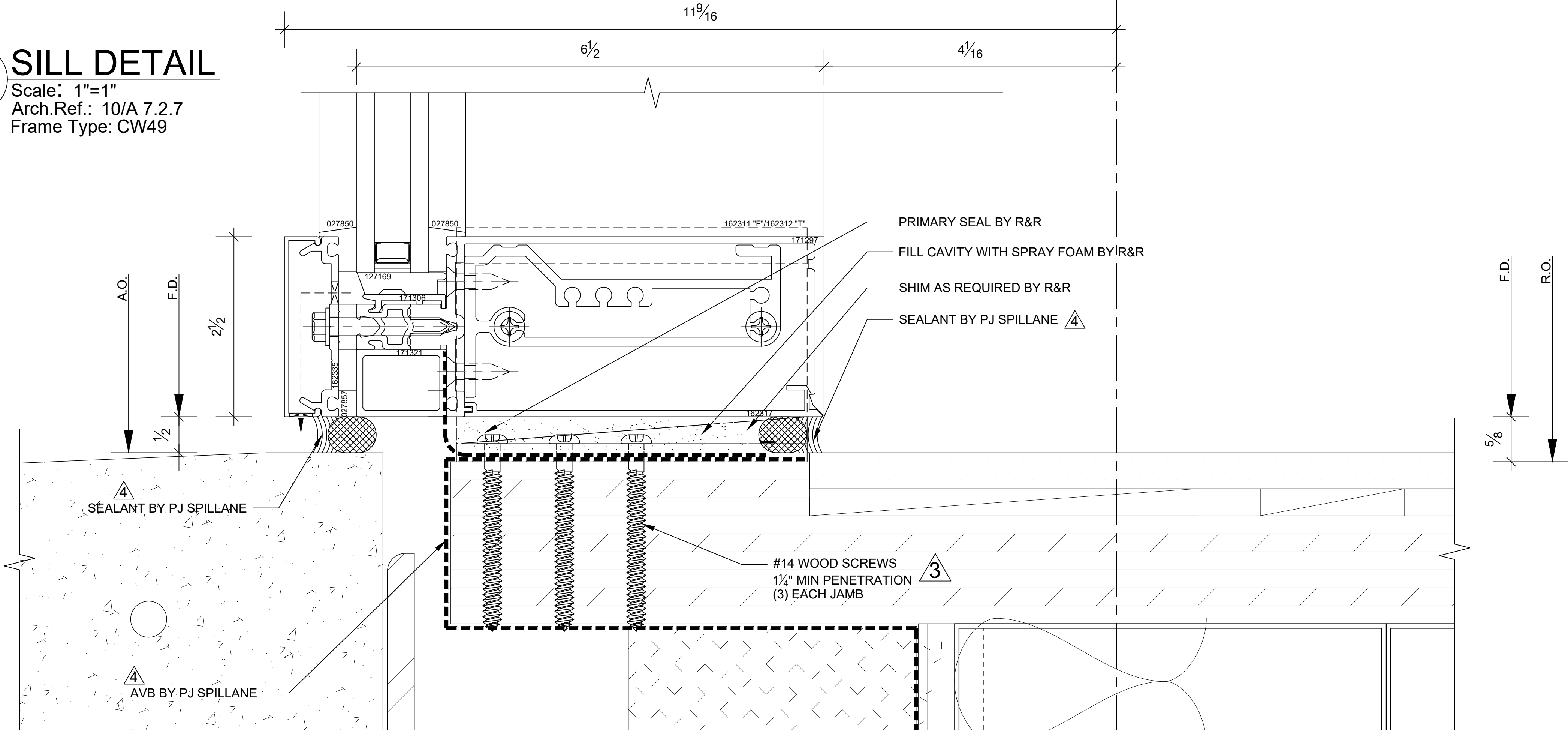
Scale: 1"=1"
Arch.Ref.: 10/A 7.2.7
Frame Type: CW49

HORIZ DETAIL

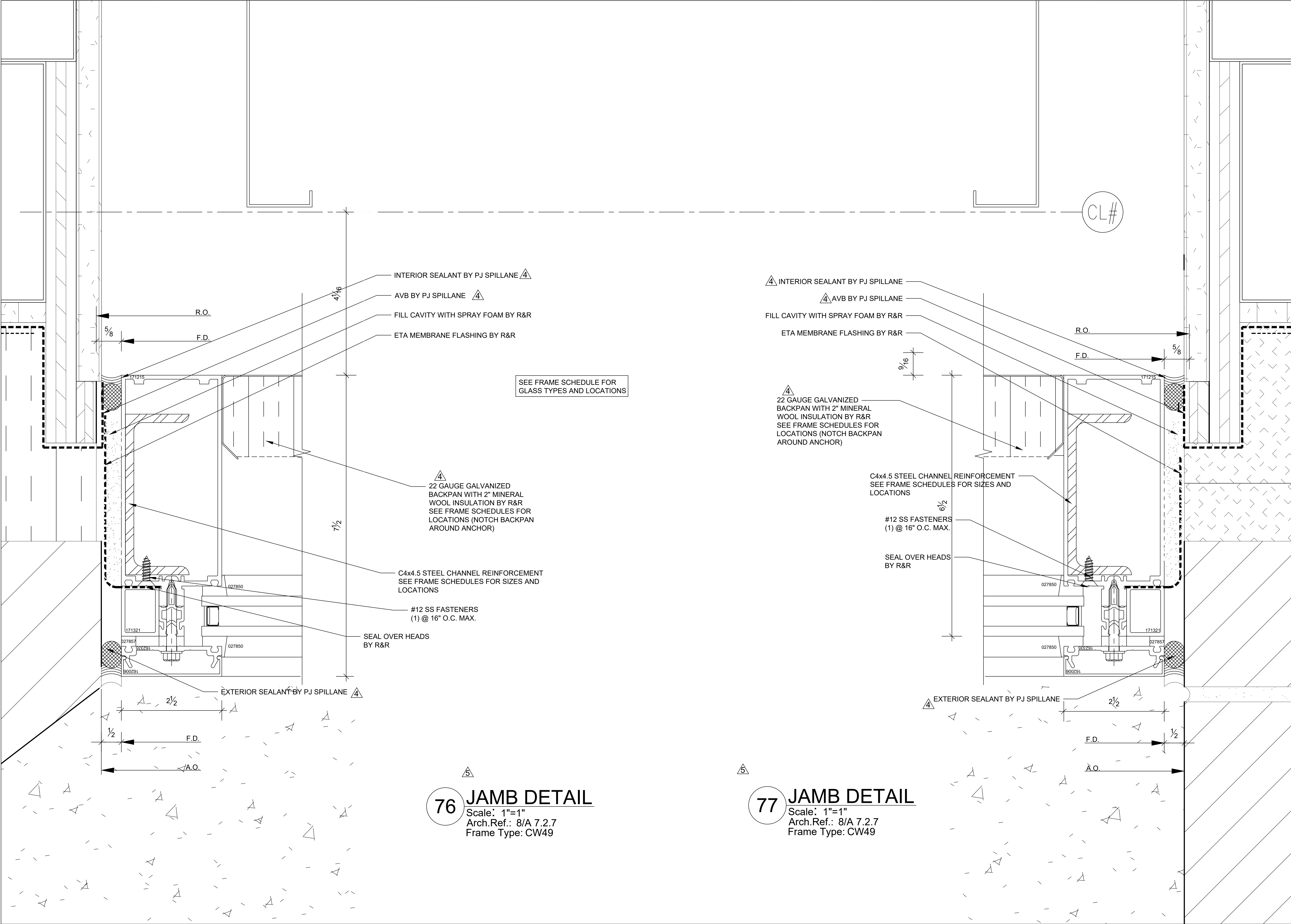
DRAWN BY: CR		DATE: 2/5/21	JOB NO.: T20038		PROJECT: ARLINGTON HIGH SCHOOL	LOCATION: 869 MASSACHUSETTS AVE, ARLINGTON, MASSACHUSETTS	ARCHITECT: HMFH ARCHITECTS, IN., CAMBRIDGE, MASSACHUSETTS	OWNER: TOWN OF ARLINGTON MASSACHUSETTS	TITLE: CURTAINWALL SUBMITTAL	NO	DESCRIPTION	DATE
DRAWING NAME: DETAILS												
SHEET NO.: 550A		SCALE TO 30X24: 1"=1"								4	ARCHITECT/G.C. COMMENTS	05.20.21
										3	STRUCTURAL CALCULATIONS	04.12.21
MAKING A DIFFERENCE SINCE 1978...AND IT SHOWS!												

5

75 SILL DETAIL
Scale: 1"=1"
Arch.Ref.: 10/A 7.2.7
Frame Type: CW49



DRAWN BY: CR	DATE: 2/5/21	JOB NO.: T20038	PROJECT: ARLINGTON HIGH SCHOOL	NO	DESCRIPTION	DATE
DRAWING NAME: DETAILS			LOCATION: 869 MASSACHUSETTS AVE, ARLINGTON, MASSACHUSETTS			
SHEET NO.: 551			ARCHITECT: HMFH ARCHITECTS, IN., CAMBRIDGE, MASSACHUSETTS			
			OWNER: TOWN OF ARLINGTON MASSACHUSETTS	4	ARCHITECT/G.C. COMMENTS	05.20.21
			TITLE: CURTAINWALL SUBMITTAL	3	STRUCTURAL CALCULATIONS	04.12.21



DRAWN BY: CR		DATE: 2/5/21	JOB NO.: T20038		PROJECT: ARLINGTON HIGH SCHOOL	LOCATION: 869 MASSACHUSETTS AVE, ARLINGTON, MASSACHUSETTS	ARCHITECT: HMFH ARCHITECTS, IN., CAMBRIDGE, MASSACHUSETTS	OWNER: TOWN OF ARLINGTON MASSACHUSETTS	TITLE: CURTAINWALL SUBMITTAL	NO	DESCRIPTION	DATE
DRAWING NAME: DETAILS												
SHEET NO.: 552												
SCALE TO 30x24:				MAKING A DIFFERENCE SINCE 1978...AND IT SHOWS!								
1"=1"				4 ARCHITECT/G.C. COMMENTS 05.20.21								
				3 STRUCTURAL CALCULATIONS 04.12.21								

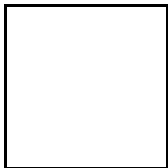
Arthur Duffy

From: Arthur Duffy
Sent: Wednesday, June 23, 2021 9:14 AM
To: Dockendorf, David; Rockwood, David
Cc: David Roach; Vassilios Valaes; LaMarre, John; McWilliams, Chuck; Vassilios Valaes; David Roach
Subject: RE: CW 49 notion

That is acceptable.

From: Dockendorf, David <ddockendorf@consigli.com>
Sent: Wednesday, June 23, 2021 8:51 AM
To: Arthur Duffy <aduffy@hmfh.com>; Rockwood, David <drockwood@consigli.com>
Cc: David Roach <DRoach@hmfh.com>; Vassilios Valaes <vvalaes@hmfh.com>; LaMarre, John <JLaMarre@consigli.com>; McWilliams, Chuck <cmcwilliams@consigli.com>
Subject: RE: CW 49 notion
Importance: High

Arthur,
 R&R Window has reviewed the details you have purposed and has provided the attached solution with revised details. Please confirm this information is acceptable.
 Thanks,
 Dave



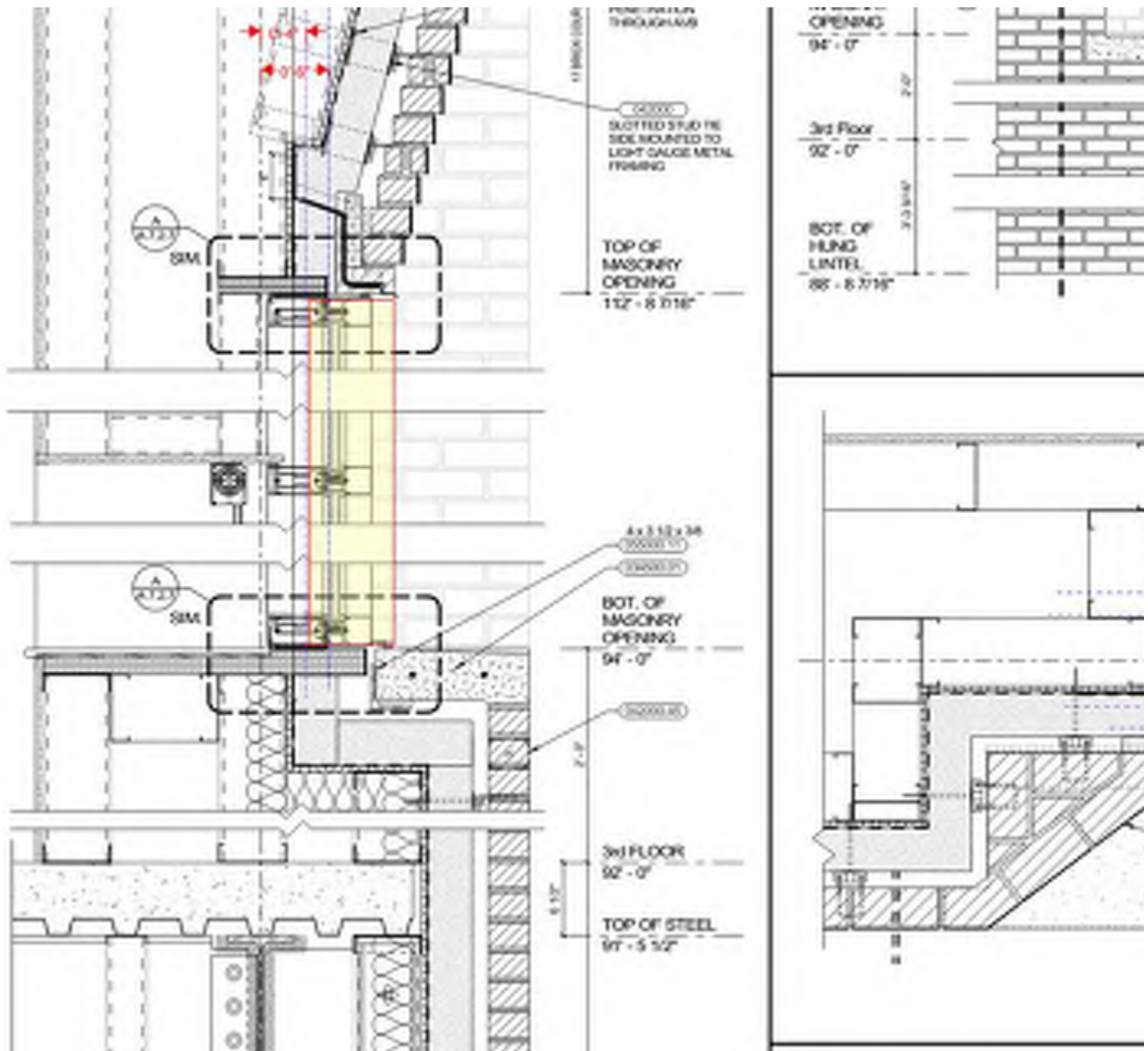
David Dockendorf, LEED AP, CM-Lean
Project Manager
 t: 774-217-0575 | m: 774-217-0575
    [consigli.com](https://www.consigli.com)

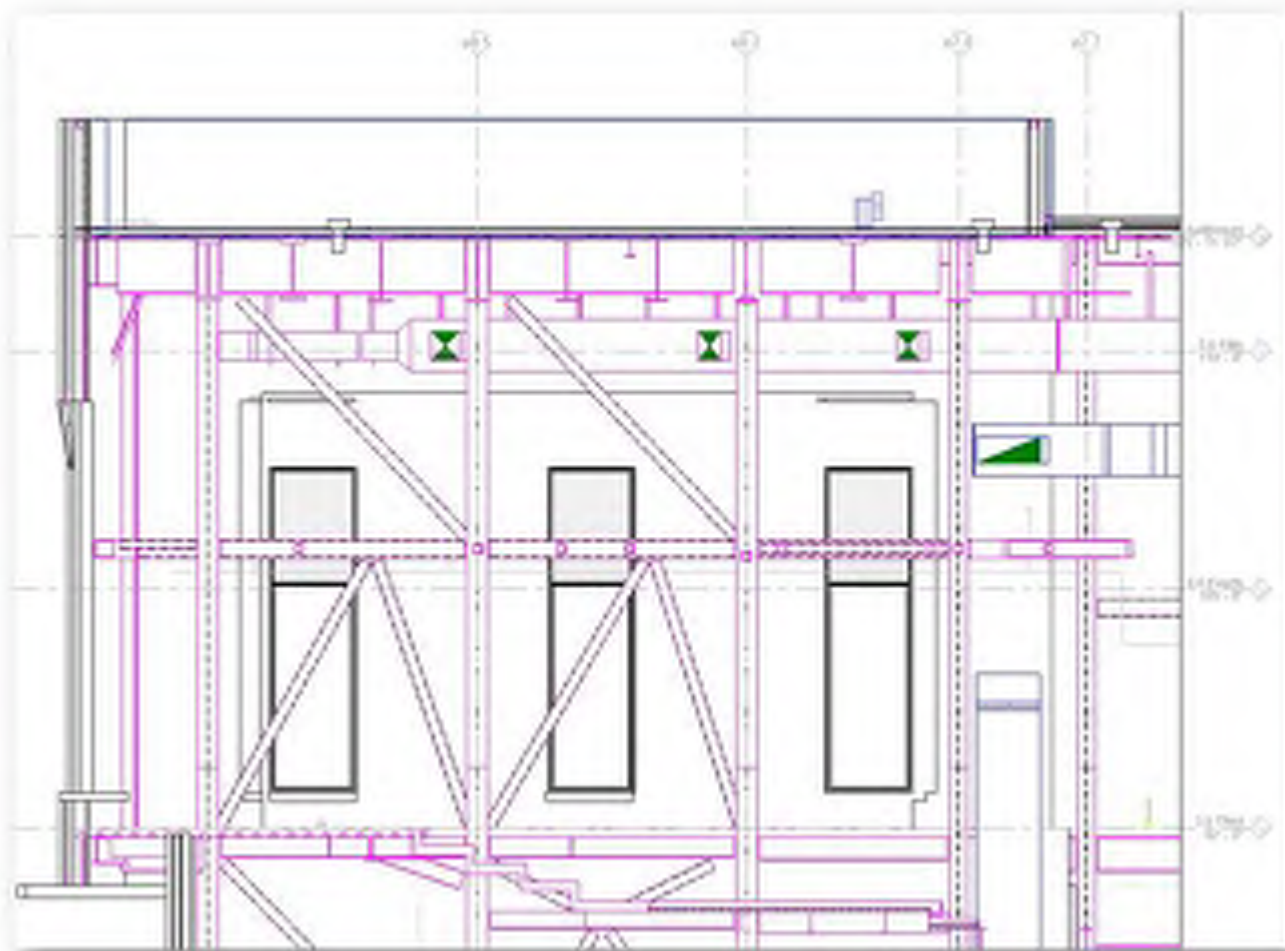
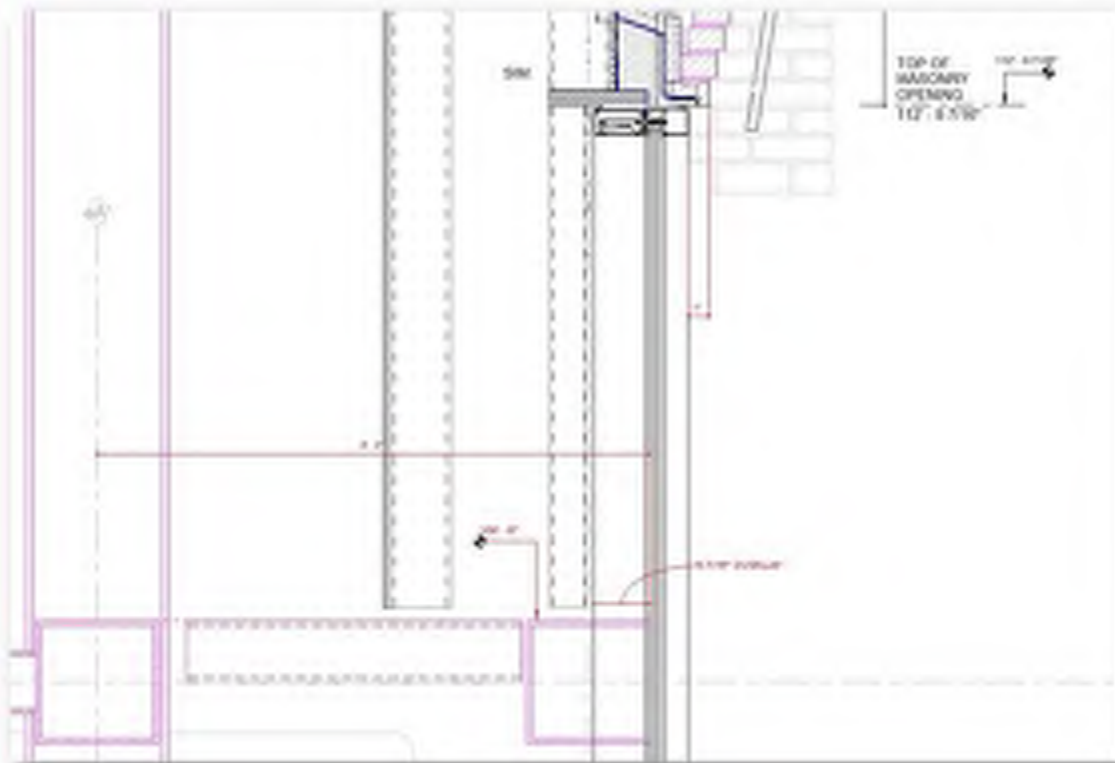
From: Arthur Duffy <aduffy@hmfh.com>
Sent: Friday, June 11, 2021 12:07 PM
To: Dockendorf, David <ddockendorf@consigli.com>; Rockwood, David <drockwood@consigli.com>
Cc: David Roach <DRoach@hmfh.com>; Vassilios Valaes <vvalaes@hmfh.com>
Subject: CW 49 notion

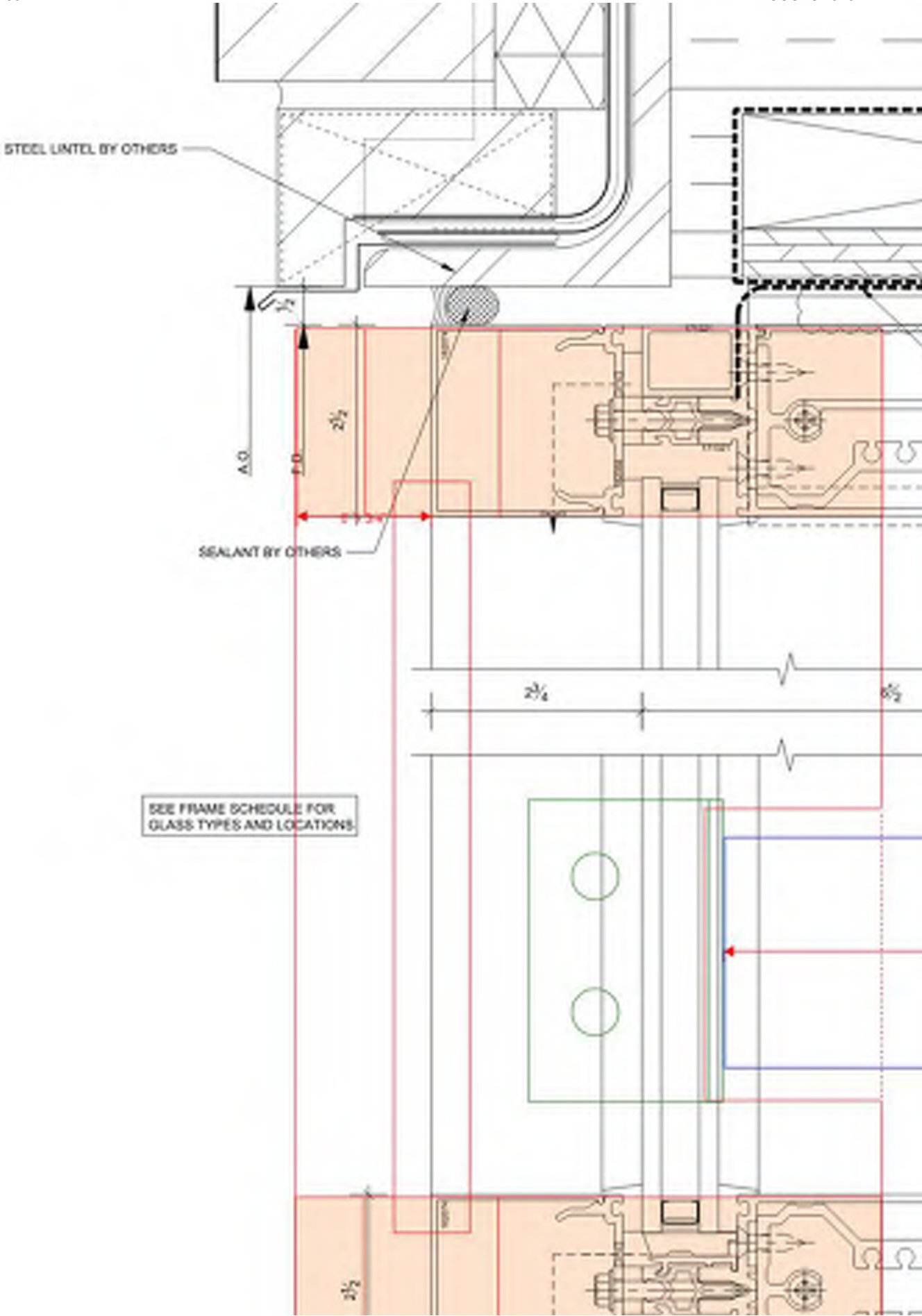
Davids, (and VV) do you have time today to review with me a proposed solution to CW 49 issue. It will require: (after 2:00?)
 Changing the snap trim cover from the deeper 2 ¾" size to be the more standard ¾" size. This results in a CW depth of 7 ½" (current depth is 9 ¼")
 Pushing the exterior face of the CW out 1 ¾".
 (This also clears the HSS 8x8 diagonal bracing which otherwise would have been in conflict also)
 The combination of these two things will result in a conflict still with the HSS 12 but only by about 2 1/4" and the idea is to notch the interior side of the CW tube by about 2 ½" deep by ~14" high. A clip angle would be attached to the HSS to this CW at this location. (Shop drawings for this CW had a clip angle connection to studs but I don't think that was quite

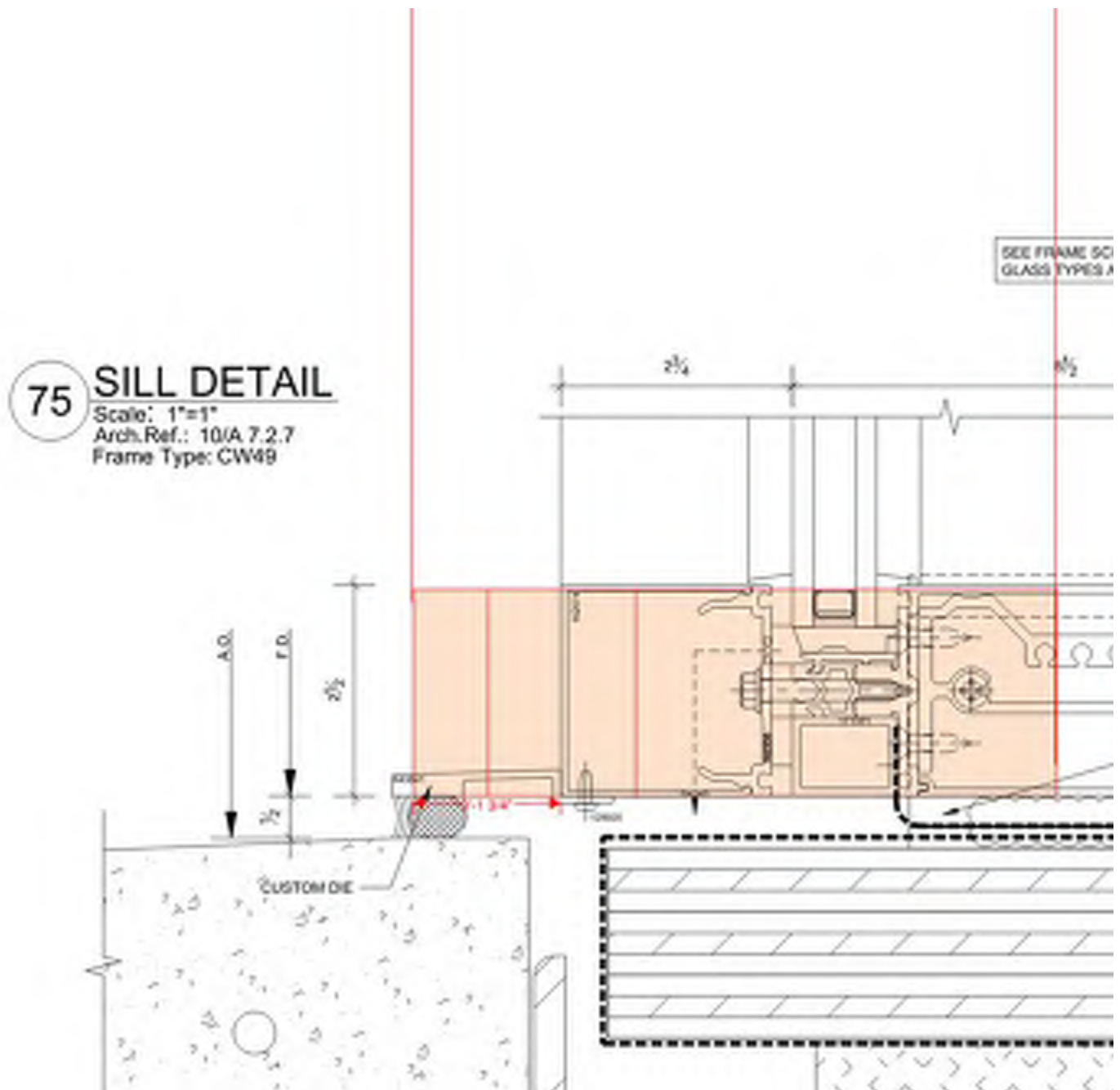
correct as the studs were non-structural “hang down” studs. The tube seems to be the proper thing to clip back to). All of this would be above the ceiling/behind the spandrel panel so all is hidden from view.

Note...I have not tracked what is called for as to fireproofing....but we would want to switch to intumescent at the point where it crosses path with the CW)









Arthur Duffy AIA

Senior Associate | 617 844 2130

HMFH ARCHITECTS

130 Bishop Allen Drive, Cambridge, MA 02139 | 617.492.2200

[web](#) | [twitter](#) | [facebook](#) | [linkedin](#)



1119 State Road, Unit #1, Westport, MA 02790
(508) 677-9880 • Fax (508) 679-9006

January 14, 2022

**Consigli Construction
72 Sumner Street
Milford, MA 01757**

**ATT: Chris Weber/ John Lamarre
Re: Arlington High School**

EXTRA WORK DONE

CHANGE ORDER PROPOSAL NO. 137

**The Following Add is for Extra Work done at
Arlington High School.**

TOTAL: \$ 3,329.65 ✓

**THIS AMOUNT \$ 3,329.65 IS TO BE ADDED TO
THE ORIGINAL CONTRACT AMOUNT.**

**Mario Sousa
Project Manager**



CONSIGLI

Est. 1905

SLIP TRACKING

REF.

432

Project Name	Arlington High School	Job# 2153	Date	12/20/21
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THIS DOCUMENT IS TO BE USED FOR TRACKING PURPOSES ONLY:

(This document is not intended to constitute as acceptance of additional work to the contract nor does this document infer that the contractor will be compensated for the work performed)

Contractor	COLUMI DEWALL
Contractor (Foreman's Signature)	
Contractor Extra Work #	
Cost Code	CR320
Time Begin (Consigli Signature Required)	
Time Complete (Consigli Signature Required)	
Work Performed	INSTALL AREA COVER AND ON CW 49 RETURNS PER REC 392
Manpower	(2) CARDS x 8 hrs ea (1) TAPER x 8 hrs ea 24 hrs
Materials	SEE ATTACHED

FOR OFFICE USE ONLY

Comments	H.R. GSKANSKA 1/6/22		
Category (Check One)	<input type="checkbox"/> Internal	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> Backcharge
Status (Check One)	<input type="checkbox"/> Rejected	<input checked="" type="checkbox"/> Accepted	<input type="checkbox"/> Pending
Reference drawing or specification section:			

White: PM

Yellow: Contractor Copy

Pink: Remains

PROJECT: Arlington High School

DATE: 12/20/20

LOCATION: E3 REF # _____

COP#: _____

MATERIALS: QUANTITY	DESCRIPTION	PRICE	AMOUNT
20 Sheets of $\frac{5}{8}$ 12'	2 carpenters for 16 hours		403.20
	each and 1 taper for 8 hours		
	Installing extra layer of		
	$\frac{5}{8}$ Dry Wall on CW 49		
FASTENERS	returns		
POWER TOOLS	Walls and wood blocking		
	Were installed per ASI 143		
SCAFFOLDING & LIFTS	Wood blocking got changed		
	after with RFI 392		
TOTAL MATERIAL			\$
LABOR:	TRADE	HOURS	RATE
① 2 3	CARP FOREMAN	8	114.74
① 2 3 4 5 6 7 8 9 10 11 12	CARP	8	106.27
1 2 3	TAPER FOREMAN		
① 2 3 4 5 6 7 8 9 10 11 12	TAPER	8	106.94
1 2 3	LABORER		
TOTAL LABOR			\$ 2,623.76
TOTAL MATERIAL			403.20
SUBTOTAL			\$ 3,026.96
10% OVERHEAD & PROFIT			302.69
BOND COST			
TOTAL			\$ 3,329.65

SIGNED: _____



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR323.1
Date: 3/10/22
Job: 2153 Arlington High School
Phone:

Description: RFI-582 - Boiler EPO Switches (PH 2)_Sub. 031022

Source: RFI # 582

We offer the following specifications and pricing to make the changes as described below:

CR323.1 includes WGEI costs associated with RFI #582 Boiler EPO Switches issued by HMFH on 01.04.22. The electrical/mechanical drawings and specifications did not illustrate an emergency disconnect switch for boiler in PH2, however, the RFI response indicates that these switches are required. These switches were included in PH1 on T&M. CR323.1 includes F&I of switches in PH2. CCC will proceed with this scope to maintain schedule. Please see attached pricing and associated backup for additional information.

Assumptions & Qualifications:

- Costs associated with overtime/acceleration are not included

Description	Labor	Material	Equipment	Subcontract	Other	Price
WJGEI - Proposal #119 dated 021022				\$3,468.17		\$3,468.17
					Subtotal:	\$3,468.17
			Bond (.75%)	\$3,468.17		\$26.01
			General Liability (1.2%)	\$3,468.17		\$41.62
			Subguard (1.4%)	\$3,468.17		\$0.00
			OH&P (5% subs, 10% self perform)	\$3,535.80		\$176.79
					Total:	\$3,712.59

☐ SCHEDULE IMPACT

☒ We have proceeded with this change to achieve schedule.

☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR

72 Sumner Street

Milford, MA 01757

OWNER

(Signature)

Arthur Duffy

By

03/21/2022

Date

(Signature)

John LaMarre

By

03/10/2022

Date

(Signature)

Jim Burrows

By

4/12/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Washington DC • Portland ME • Boston MA • Milford MA • Albany NY • New York NY • Pleasant Valley NY • Ronkonkoma NY



CHANGE REQUEST RESPONSE

DATE RECEIVED 3/10/22 **DATE RETURNED:** 03/21/22

TO: Arthur Duffy
HMFH Architects
130 Bishop Allen Drive
Cambridge, MA 02139

FROM Ken Davis
Bala Consulting Engineers

RE: Arlington High School
60-17-442
CR323.1 – RFI #582

Bala has reviewed the Change Request CR323.1 – RFI #582– Boiler EPO Switches

Griffin has submitted a cost of \$3,468.17 and based on the work indicated in RFI #582, which involved adding new EPO switches for boilers. The labor and materials listed within are consistent with the scope of work as shown in. Bala takes no exception to the change order

The Contractor is responsible for all quantities and means and methods of construction for this project.

All unit pricing and contractor markups must comply with the bid forms and contracts with the Client.

P:\60-17-442\PM\Change Orders\Elec\CR Responses\Word Documents\CR323.1 - RFI #582.docx



Electric Boiler Emergency Disconnect Switch (Building E/B) (PJK RFI #75)

TO:	Stephanie MacNeil (HMFH Architects) Arthur Duffy (HMFH Architects)	FROM:	Kevin Samya (Consigli Construction Co., Inc.) 72 Sumner Street Milford, Massachusetts 01757
DATE INITIATED:	12/22/2021	STATUS:	Open
LOCATION:		DUE DATE:	12/27/2021
COST CODE:		REFERENCE:	PJK RFI #75
COST IMPACT:	TBD	SCHEDULE IMPACT:	TBD
DRAWING NUMBER:	M4.1, E2.2e, E2.0b	SPEC SECTION:	230000 - Heating, Ventilating, and Air Conditioning (HVAC)
RECEIVED FROM:	William Gray (P.J. Kennedy & Sons)		

COPIES TO:

CA Bala (Bala Consulting Engineers), Gil Castera (Bala), Victoria Clifford (Skanska USA Inc.), Greg Cmar (Interval Data Systems), Patrick Condon (Consigli Construction Co., Inc.), Ken Davis (Bala Consulting Engineers), Tom DeRosa (Consigli Construction Co., Inc.), David Dockendorf (Consigli Construction Co., Inc.), Arthur Duffy (HMFH Architects), Jim Fikiet (Skanska USA Inc.), Ryan Flynn (Bala Consulting Engineers), Vianely Franco (HMFH Architects), Kevin Fuller (Interval Data Systems), Mike Gagne (Interval Data Systems), Bill Gnerre (Interval Data Systems), George Hines (Bala Consulting Engineers), William Lentz (Bala Consulting Engineers), Stephanie MacNeil (HMFH Architects), Chuck McWilliams (Consigli Construction Co., Inc.), Reid Mullett (Rist-Frost-Shumway Engineering (RFS)), Brandon Mynter (Consigli Construction Co., Inc.), Sy Nguyen (Skanska USA Inc.), Fran Patnode (Rist-Frost-Shumway Engineering (RFS)), Hal Raymond (Skanska USA Inc.), Richard Rivera (Bala Consulting Engineers), Kevin Samya (Consigli Construction Co., Inc.), Mason Saunders (Consigli Construction Co., Inc.), Chris Weber (Consigli Construction Co., Inc.)

Question from Kevin Samya (Consigli Construction Co., Inc.) at 03:12 PM on 12/22/2021

Please reference the attached PJK RFI #75. Please reference HVAC Drawing M4.1 and the associated Electrical Drawings E2.2e and E2.0b.

The Electrical Boilers in Mechanical Room S2-14 require an "Emergency Disconnect Switch" at the exits of the room. Startup of the equipment cannot be completed until the switch is furnished and installed by a certified electrician. There is no information in the specifications or drawings identifying ownership and locations of these devices.

The HVAC Contractor has proposed (2) device locations in the attached document that need to be confirmed acceptable by AHJ. Design team to provide insight on devices.

Please Note - Mechanical Room S1-08 on Level 1 of Building B also has an Electric Boiler that requires the same "Emergency Disconnect Switch".

Attachments:

[RFI #582 - Electric Boiler Emergency Disconnect Switch \(Building E-B\) \(PJK RFI #75\).pdf](#)

Awaiting an Official Response

All Replies:

Emergency Disconnect Switches for Electric Boilers are required and should be added at both Mechanical Rooms. Refer to attached Sketches SKE-41A & 41B. Switches shall be push button type with "Emergency Boiler Shut-Down" text on device (by Pilla Electrical Model BSD120 or equal) installed in approximate locating shown at an elevation of 48" above finished floor. Switches located in common corridors shall be provided with tamper-proof plastic transparent covers.

J. Ryan Flynn/Ken Davis - BALA
1/04/2022

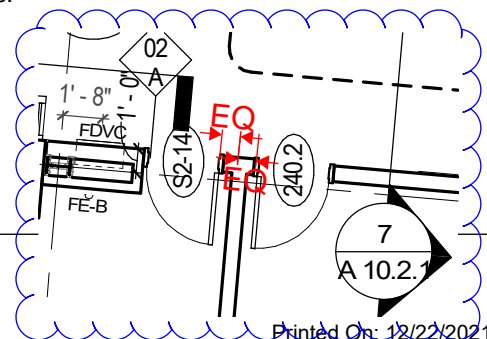
The switch at Corridor C2-15 is to be located centered within the width of tile between doors S2-14 and 240.2.

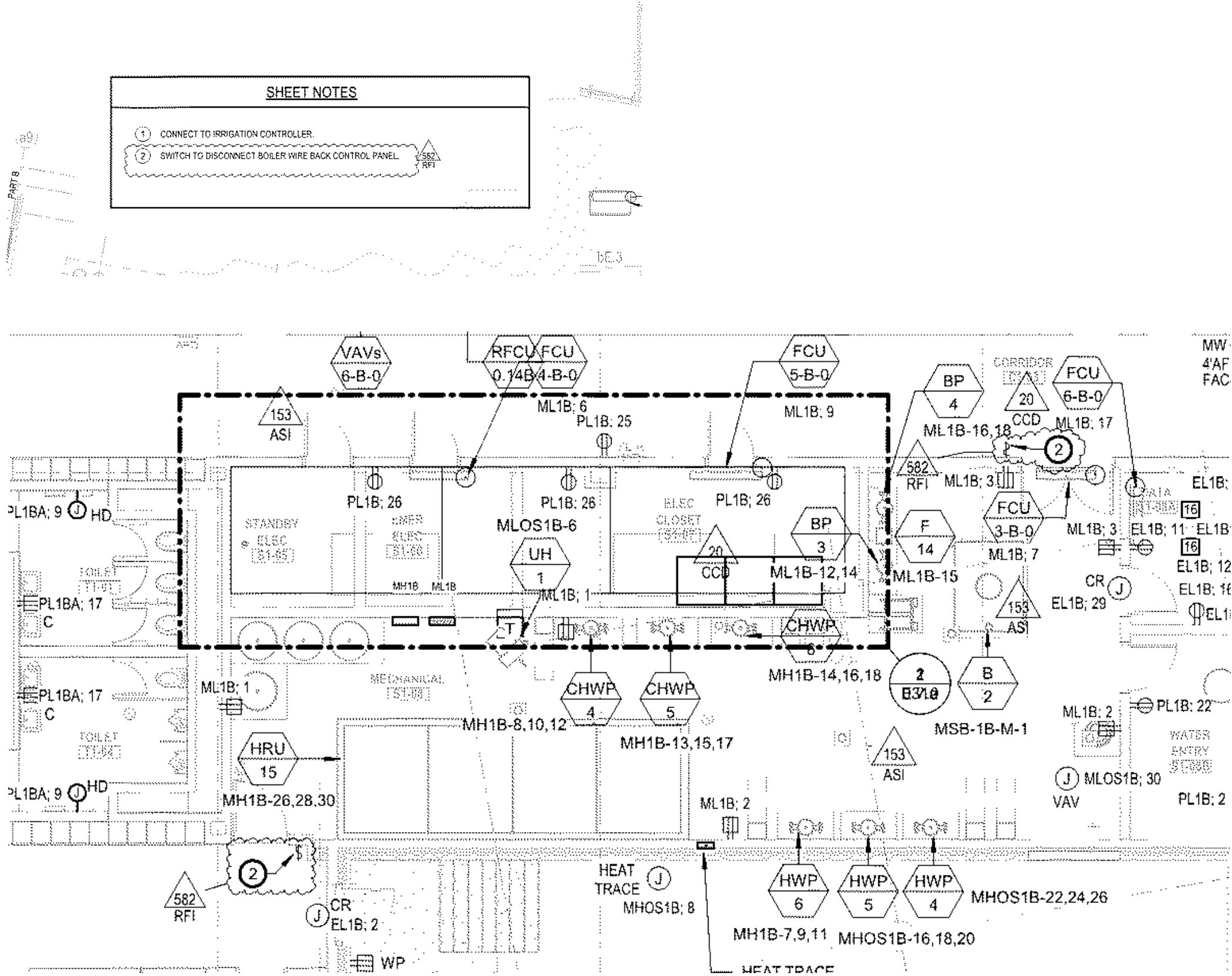
Stephanie MacNeil

BY

01/04/2022

DATE





SHEET NOTES

1. CONNECT TO IRRIGATION CONTROLLER.

2. SWITCH TO DISCONNECT BOILER WIRE BACK CONTROL PANEL.

BALA
ENGINEERS

PHYSICAL DESIGN DESIGN ENGINEER
MECHANICAL ENGINEER

BALA CONSULTING ENGINEERS INC.
200 BROADWAY
CAMBRIDGE, MA 02139
TEL: 617.492.2200
WWW.BALA.COM

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

Arlington High School

POWER AND SYSTEMS FIRST FLOOR- MECHANICAL
ROOM - RFI 582

REF. DWG. E2.0b RFI-582

DRAWING NUMBER
SKE
41A
JOB NUMBER
6017442

DATE: 01/04/22 DRAWN: Author/CHECKED: Checker

SCALE:

Arlington High School
POWER AND SYSTEMS SECOND FLOOR- MECHANICAL
ROOM - RFI 582

REF. DWG. E2.2e RFI-582

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

HMFH

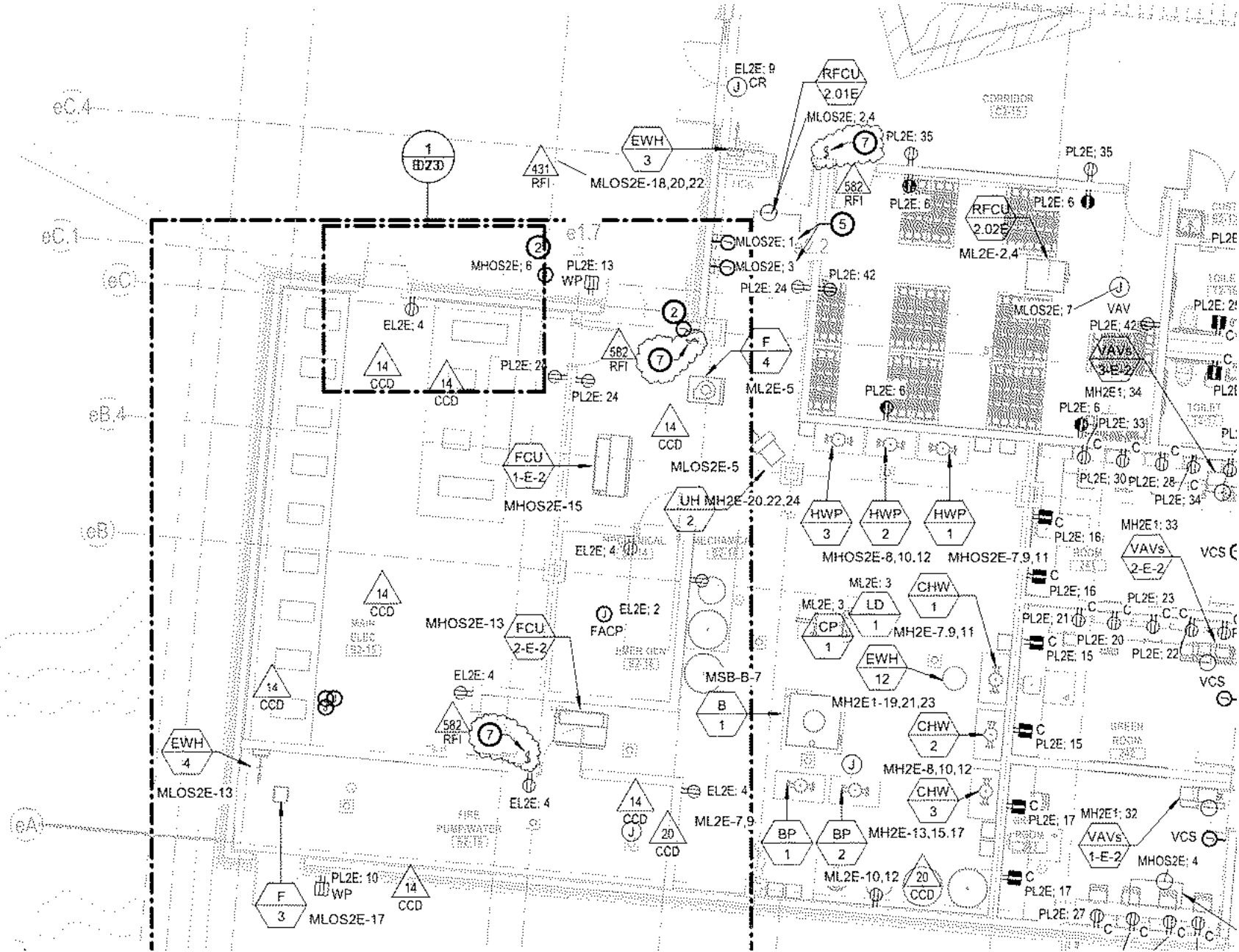
BALA
ENGINEERS

PHYSICAL SYSTEMS DESIGN ENGINEERS
MECHANICAL ELECTRICAL PLUMBING

BALA CONSULTING ENGINEERS, INC.
2000 STATE STREET
CAMBRIDGE, MA 02142
TEL: 617.452.1100
WWW.BALACON.COM

SHEET NOTES

- 1 CONDUIT AND WIRING TO ASSOCIATED MOTORIZED SHADE CONTROLLER ON THIRD FLOOR.
- 2 CONNECT TO HEAT TRACE CABLE AND CONTROLLER
- 3 CONDUIT AND WIRING TO ASSOCIATED MOTORIZED PROJECTION SCREEN
- 4 RECEPTACLES FOR FUTURE THEATRICAL LIGHTING; REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT AND EXACT LOCATIONS
- 5 CONNECT TO ATO PANELS
- 6 CONNECT TO HEAT TRACE CONTROL PANEL FOR FP MAIN AND PIPING TO TEMPORARY BRIDGE
- 7 SWITCH TO DISCONNECT BOILER WIRE BACK CONTROL PANEL.





Patrick J. Kennedy & Sons, Inc.

MECHANICAL CONTRACTORS

39 Gibson Street
Boston, MA 02122-1222
Ph : (617)265-5535

REQUEST FOR INFORMATION

Number: 75

Date: 12/20/2021

Phone:

Job: 2020-21 Arlington HS Main Package

To: Kevin Samya
Consigli Construction Co. Inc.
72 Sumner Street
Milford, MA 01757
Ph: 857-300-6900

CC:

Subject: Electric Boiler Emergency Disconnect Switch

Drawing:

Cost Impact: None

Spec Section:

Schedule Impact: None

Request:

Date Required:

The electric boiler requires an "Emergency Disconnect Switch" be installed. Startup cannot be completed until a switch is installed. Please confirm that electrician can install switch(s) per attached plan. Switch location(s) to be confirmed by AHJ.

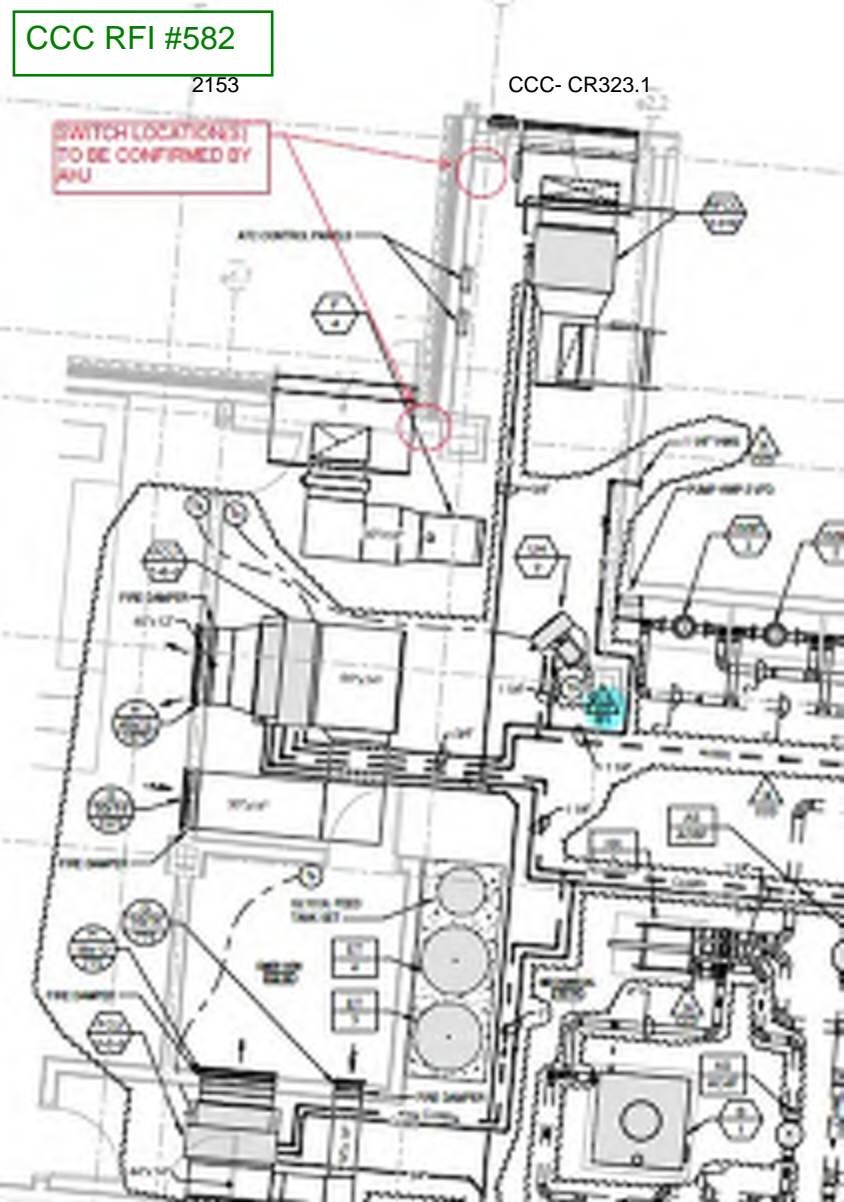
Requested by: Bill Gray
Patrick J. Kennedy & Sons, Inc

Response:

Answered by

Company

Date



CCC Submittal
#230000-042
CCC RFI #582

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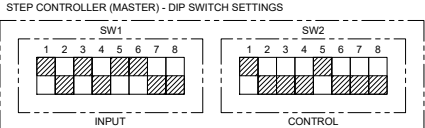
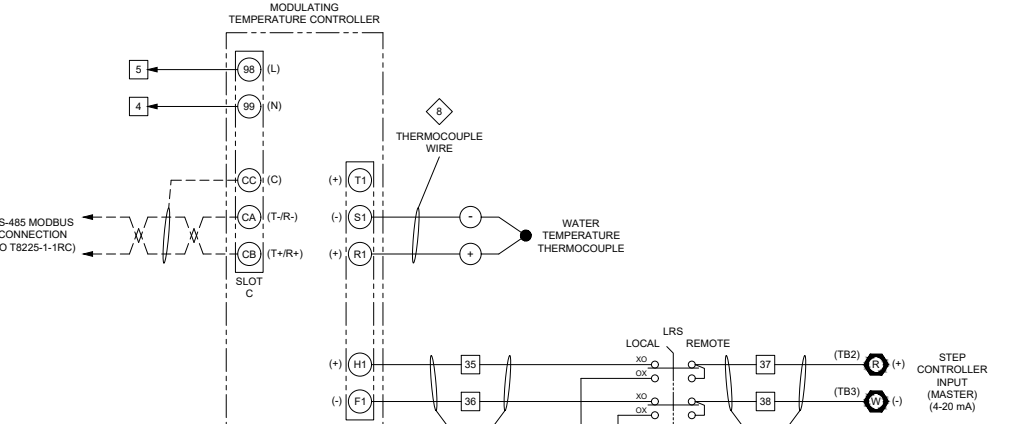
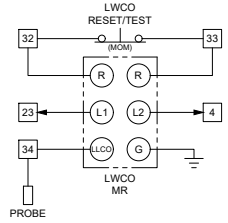
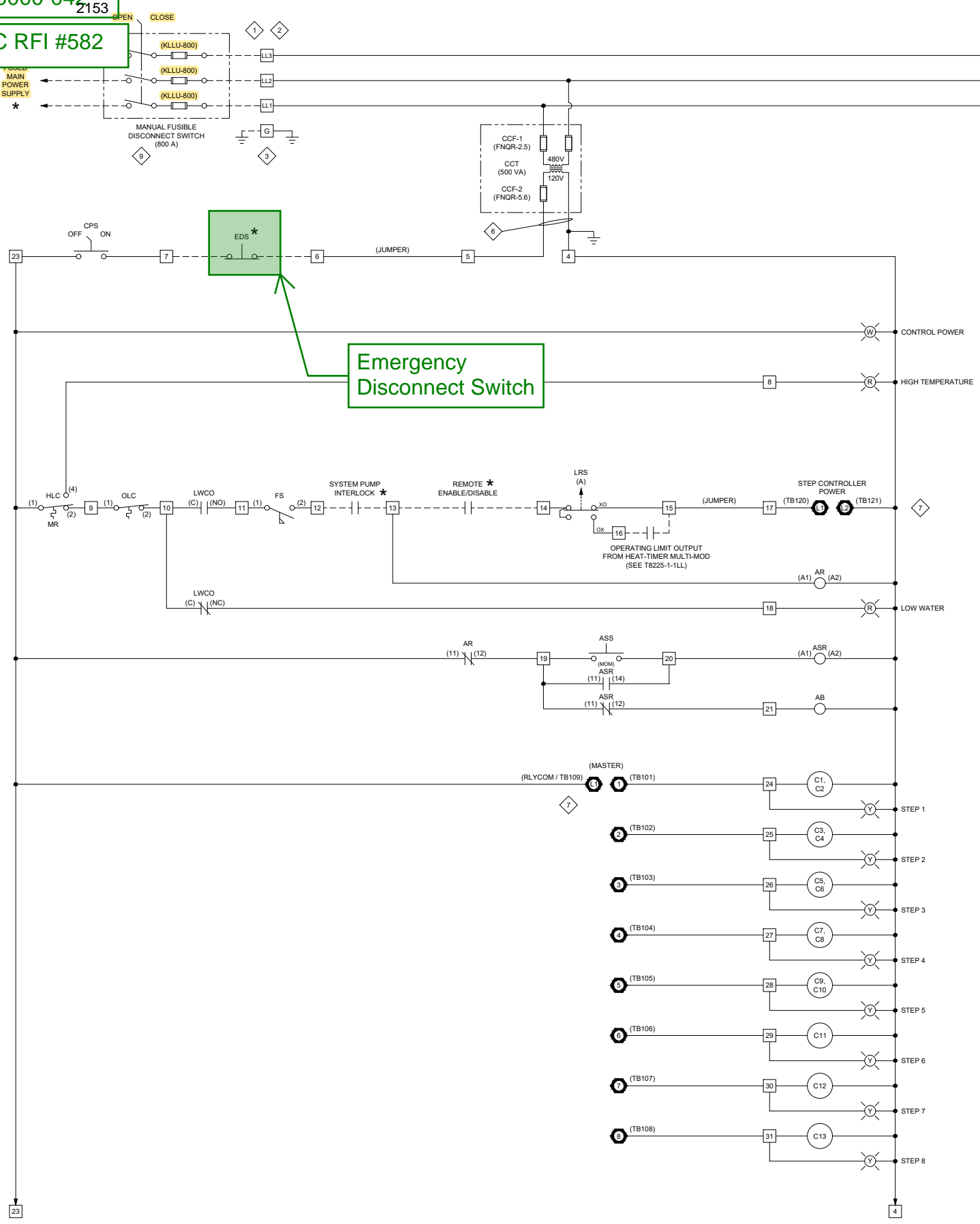
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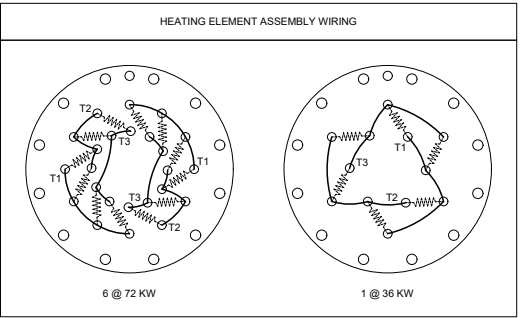
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CCC- CR323.1



INDICATES "ON"

INDICATES "OFF"



- NOTES:**
- 1 CUSTOMER'S POWER SUPPLY CIRCUIT WITH PROTECTIVE DEVICE AS REQUIRED. SUGGESTED WIRING: (2) # 500 MCM CU WIRES PER PHASE, PER NEC TABLE 310.15(B)(16), BASED ON 75°C INSULATION WITH 125% CORRECTION.
 - 2 MAIN POWER SUPPLY CONNECTION LUGS WILL ACCEPT UP TO (4) # 500 MCM CU WIRES PER PHASE.
 - 3 GROUND LUGS, LOCATED ADJACENT TO MAIN POWER CONNECTION LUGS, WILL ACCEPT UP TO (2) # 2/0 AWG CU WIRES.
 - 4 HEATER CIRCUIT WIRING TO CONTACTORS: # 6 AWG, THHN, 90°C, UL/CSA
 - 5 HEATER CIRCUIT WIRING TO HEATERS: # 8 AWG, XLPE, 125°C, UL/CSA
 - 6 CONTROL CIRCUIT WIRING: # 16 AWG, MTW, 105°C, UL/CSA
 - 7 STEP CONTROL IS 8-STEP (MASTER) PROGRESSIVE SEQUENCE (SELECTRONIX SLC4000-8).
 - 8 THERMOCOUPLE WIRE MUST BE RUN IN SEPARATE CONDUIT.
 - 9 **DISCONNECT TERMINAL LUGS PROVIDED TO ACCEPT UP TO (3) # 600 MCM CU WIRES PER PHASE. (DUMMY FUSES PROVIDED FOR NON-FUSED APPLICATION.)**
- SCHEMATIC SYMBOLS:**
- DENOTES CONTROL PANEL TERMINALS
 - DENOTES TERMINAL DESIGNATION ON DEVICE
 - * EQUIPMENT FURNISHED BY OTHERS
 - - - FIELD WIRING FURNISHED BY OTHERS
 - STEP CONTROLLER TERMINALS
- CONTROL WIRE COLOR LEGEND:**
- R - 120 VAC
 - B - GREATER THAN 120 VAC
 - O - LOW VOLTAGE AC
 - Y - DRY CIRCUIT
 - G - GROUND CONDUCTOR
 - BL - VOLTAGE DC
 - W - NEUTRAL/GROUNDED CONDUCTOR

REVISIONS		01	03/04/21	DRN	REVISED DISCONNECT SWITCH TO FUSIBLE 800A (S/L), PER ORDER REV #1.
					WARNING: Changes, modifications, or alterations are strictly prohibited. Changes to this drawing and subsequent modification of equipment could result in damage to the equipment and/or serious personal injury.

ELECTRICAL SPECIFICATIONS		WIRE COLOR		SYMBOL	T8225-1-1	ARLINGTON HIGH SCHOOL ARLINGTON, MA T8225		SCALE N.T.S.		CleaverBrooks®							
HEATING STAGES	5 @ 72 KW, 3 @ 36 KW	YELLOW		Y		WIRING DIAGRAM	/2	DATE 12/11/20	DRAWN BY DRN	CHECKED BY JMP	WB	202	468	160HW	CSD-1		
ELEMENT RATING	6 KW / 75 WSI / 480 V	GREEN		GRN							MODEL	SIZE	KW	PRESSURE	INSURANCE		
ELEMENT SHEATH	INCOLOY	RED		R							480	3	60	3	565		
ELEMENT QUANTITY	78	BLUE		BL							VOLTS	PHASE	HERTZ	WIRE	FLA		
CONTACTOR QUANTITY	13	WHITE		W				SHEET NO: 1 OF 1			SIZE D	DWG NO: T8225-1-1WD	01				
MODULATING CONTROLLER		BLACK		B													
CONFIGURATION FILE		BLUE/WHITE		BLU/WH													
		YELLOW/GREEN		YEL/GRN													
		GREEN/YELLOW		GRN/YEL													



Electric Boiler Emergency Disconnect Switch (Building E/B) (PJK RFI #75)

TO:	Stephanie MacNeil (HMFH Architects) Arthur Duffy (HMFH Architects)	FROM:	Kevin Samya (Consigli Construction Co., Inc.) 72 Sumner Street Milford, Massachusetts 01757
DATE INITIATED:	12/22/2021	STATUS:	Open
LOCATION:		DUE DATE:	12/27/2021
COST CODE:		REFERENCE:	PJK RFI #75
COST IMPACT:	TBD	SCHEDULE IMPACT:	TBD
DRAWING NUMBER:	M4.1, E2.2e, E2.0b	SPEC SECTION:	230000 - Heating, Ventilating, and Air Conditioning (HVAC)
RECEIVED FROM:	William Gray (P.J. Kennedy & Sons)		

COPIES TO:

CA Bala (Bala Consulting Engineers), Gil Castera (Bala), Victoria Clifford (Skanska USA Inc.), Greg Cmar (Interval Data Systems), Patrick Condon (Consigli Construction Co., Inc.), Ken Davis (Bala Consulting Engineers), Tom DeRosa (Consigli Construction Co., Inc.), David Dockendorf (Consigli Construction Co., Inc.), Arthur Duffy (HMFH Architects), Jim Fikiet (Skanska USA Inc.), Ryan Flynn (Bala Consulting Engineers), Vianely Franco (HMFH Architects), Kevin Fuller (Interval Data Systems), Mike Gagne (Interval Data Systems), Bill Gnerre (Interval Data Systems), George Hines (Bala Consulting Engineers), William Lentz (Bala Consulting Engineers), Stephanie MacNeil (HMFH Architects), Chuck McWilliams (Consigli Construction Co., Inc.), Reid Mullett (Rist-Frost-Shumway Engineering (RFS)), Brandon Mynter (Consigli Construction Co., Inc.), Sy Nguyen (Skanska USA Inc.), Fran Patnode (Rist-Frost-Shumway Engineering (RFS)), Hal Raymond (Skanska USA Inc.), Richard Rivera (Bala Consulting Engineers), Kevin Samya (Consigli Construction Co., Inc.), Mason Saunders (Consigli Construction Co., Inc.), Chris Weber (Consigli Construction Co., Inc.)

Question from Kevin Samya (Consigli Construction Co., Inc.) at 03:12 PM on 12/22/2021

Please reference the attached PJK RFI #75. Please reference HVAC Drawing M4.1 and the associated Electrical Drawings E2.2e and E2.0b.

The Electrical Boilers in Mechanical Room S2-14 require an "Emergency Disconnect Switch" at the exits of the room. Startup of the equipment cannot be completed until the switch is furnished and installed by a certified electrician. There is no information in the specifications or drawings identifying ownership and locations of these devices.

The HVAC Contractor has proposed (2) device locations in the attached document that need to be confirmed acceptable by AHJ. Design team to provide insight on devices.

Please Note - Mechanical Room S1-08 on Level 1 of Building B also has an Electric Boiler that requires the same "Emergency Disconnect Switch".

Attachments:

[RFI #582 - Electric Boiler Emergency Disconnect Switch \(Building E-B\) \(PJK RFI #75\).pdf](#)

Awaiting an Official Response

All Replies:

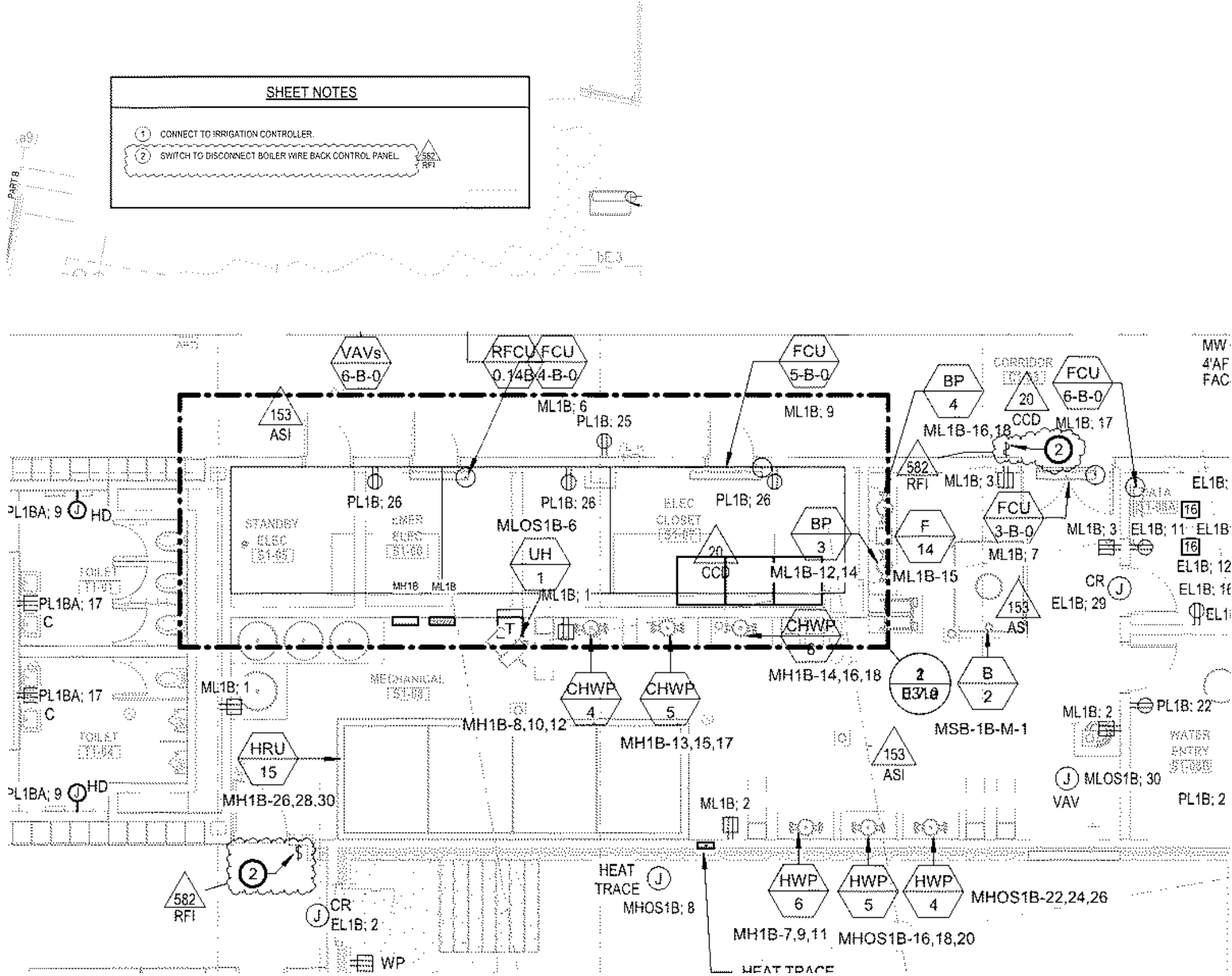
Emergency Disconnect Switches for Electric Boilers are required and should be added at both Mechanical Rooms. Refer to attached Sketches SKE-41A & 41B. Switches shall be push button type with "Emergency Boiler Shut-Down" text on device (by Pilla Electrical Model BSD120 or equal) installed in approximate locating shown at an elevation of 48" above finished floor. Switches located in common corridors shall be provided with tamper-proof plastic transparent covers.

J. Ryan Flynn/Ken Davis - BALA
BY

1/04/2022
DATE

COPIES TO

01/04/2022



SHEET NOTES

1

CONNECT TO IRRIGATION CONTROLLER.

2

SWITCH TO DISCONNECT BOILER WIRE BACK CONTROL PANEL

BALA
ENGINEERS
PHYSICAL DESIGN DESIGN ENGINEER
MECHANICAL ELECTRICAL PLUMBING

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

HM FH

Arlington High School
POWER AND SYSTEMS FIRST FLOOR- MECHANICAL
ROOM - RFI 582

REF. DWG. E2.0b RFI-582

DATE: 01/04/22 DRAWN: Author/CHECKED: Checker

SCALE:

DRAWING NUMBER
SKE 41A
JOB NUMBER
6017442

CCC- CR323.1

Arlington High School
POWER AND SYSTEMS SECOND FLOOR- MECHANICAL
ROOM - RFI 582

REF. DWG. E2.2e RFI-582

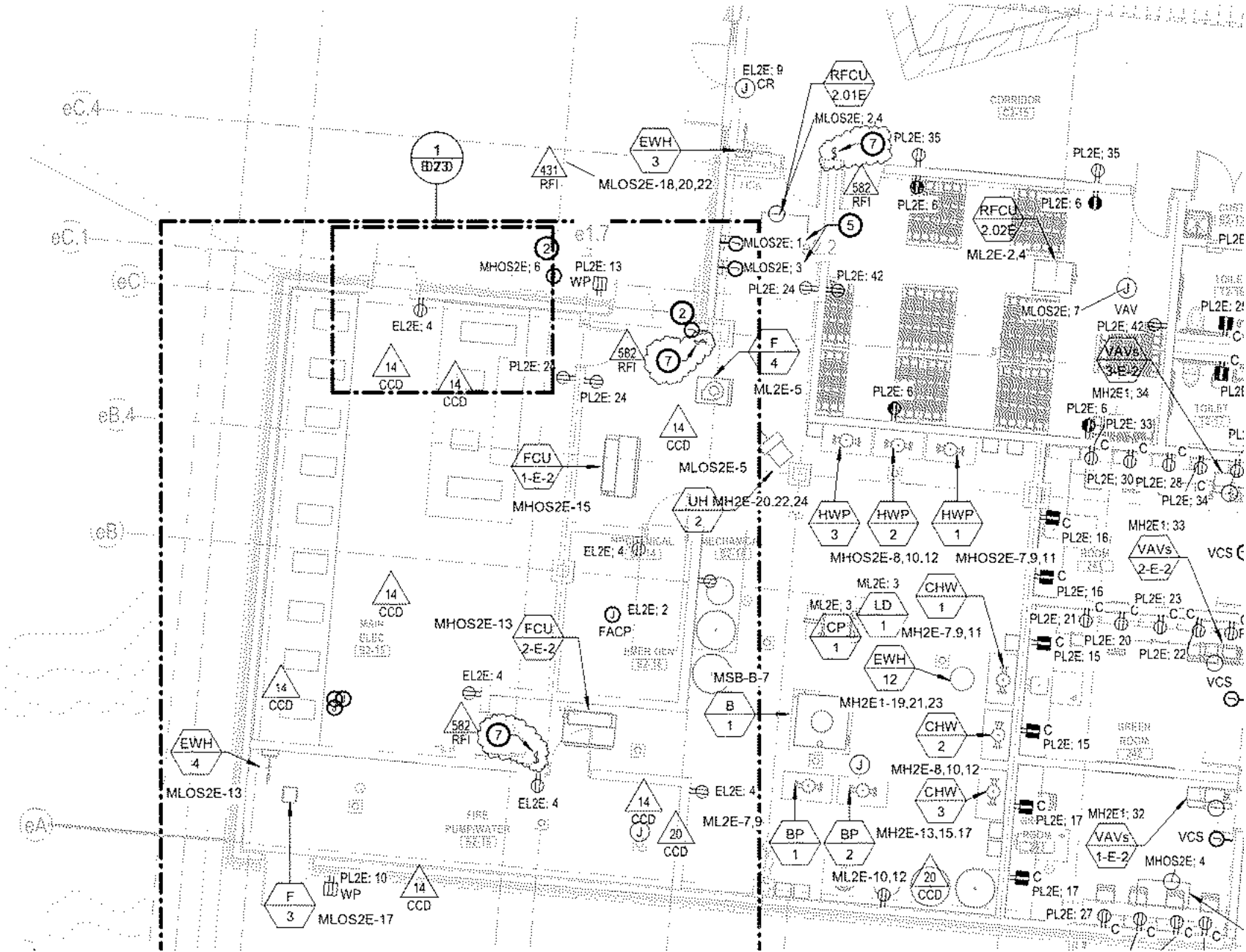
BALA
ENGINEERS

PHYSICAL DESIGN DESIGN ENGINEER
MECHANICAL ENGINEER

BALA CONSULTING ENGINEERS, INC.
2000 STATE STREET
CAMBRIDGE, MA 02139
TEL: 617.452.1100
WWW.BALA.COM

HMFH
ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com



SHEET NOTES

- 1 CONDUIT AND WIRING TO ASSOCIATED MOTORIZED SHADE CONTROLLER ON THIRD FLOOR.
- 2 CONNECT TO HEAT TRACE CABLE AND CONTROLLER
- 3 CONDUIT AND WIRING TO ASSOCIATED MOTORIZED PROJECTION SCREEN
- 4 RECEPTACLES FOR FUTURE THEATRICAL LIGHTING; REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT AND EXACT LOCATIONS
- 5 CONNECT TO ATO PANELS
- 6 CONNECT TO HEAT TRACE CONTROL PANEL FOR FP MAIN AND PIPING TO TEMPORARY BRIDGE
- 7 SWITCH TO DISCONNECT BOILER WIRE BACK CONTROL PANEL.



Patrick J. Kennedy & Sons, Inc.

MECHANICAL CONTRACTORS

39 Gibson Street
Boston, MA 02122-1222
Ph : (617)265-5535

REQUEST FOR INFORMATION

Number: 75

Date: 12/20/2021

Phone:

Job: 2020-21 Arlington HS Main Package

To: Kevin Samya
Consigli Construction Co. Inc.
72 Sumner Street
Milford, MA 01757
Ph: 857-300-6900

CC:

Subject: Electric Boiler Emergency Disconnect Switch

Drawing:

Cost Impact: None

Spec Section:

Schedule Impact: None

Request:

Date Required:

The electric boiler requires an "Emergency Disconnect Switch" be installed. Startup cannot be completed until a switch is installed. Please confirm that electrician can install switch(s) per attached plan. Switch location(s) to be confirmed by AHJ.

Requested by: Bill Gray
Patrick J. Kennedy & Sons, Inc

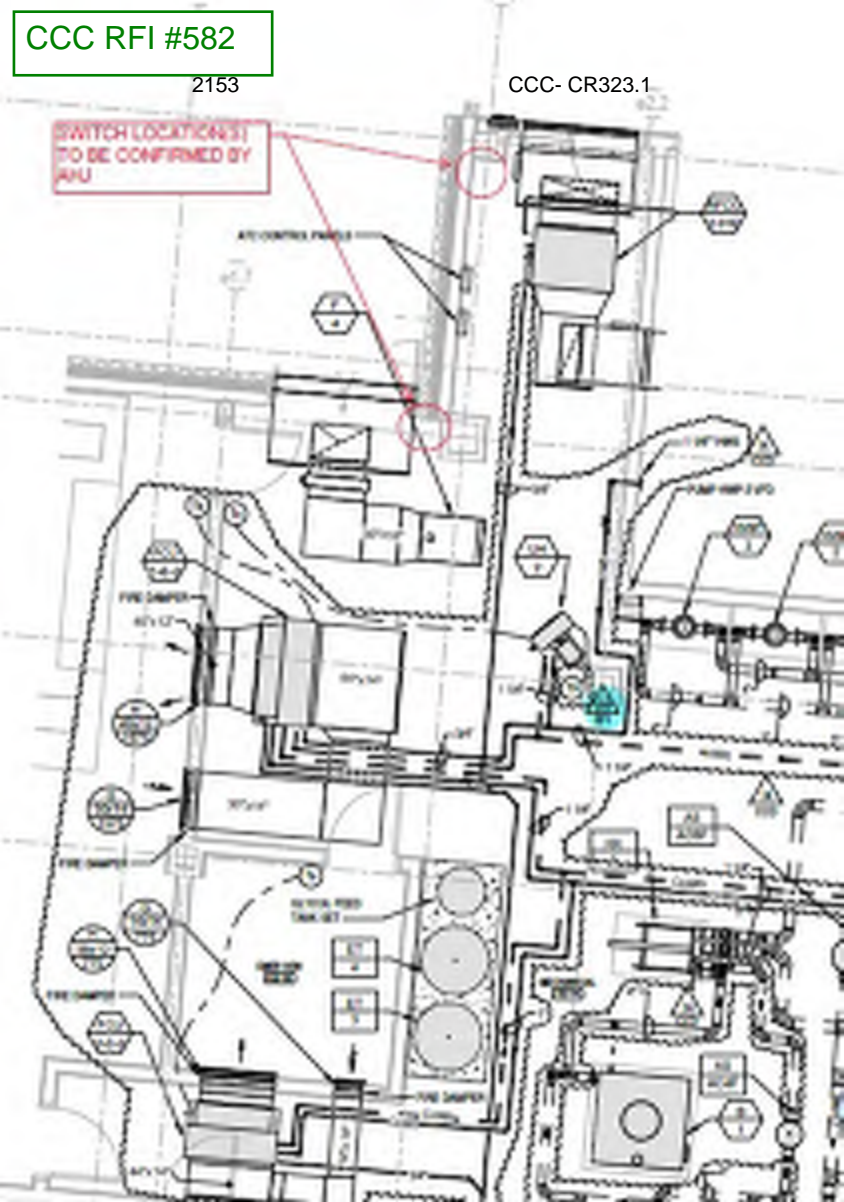
Response:

Answered by

Company

Date

SWITCH LOCATION(S)
TO BE CONFIRMED BY
AHJ



CCC Submittal
#230000-042
CCC RFI #582

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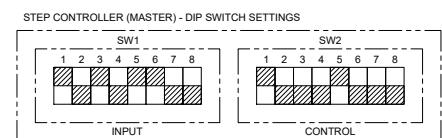
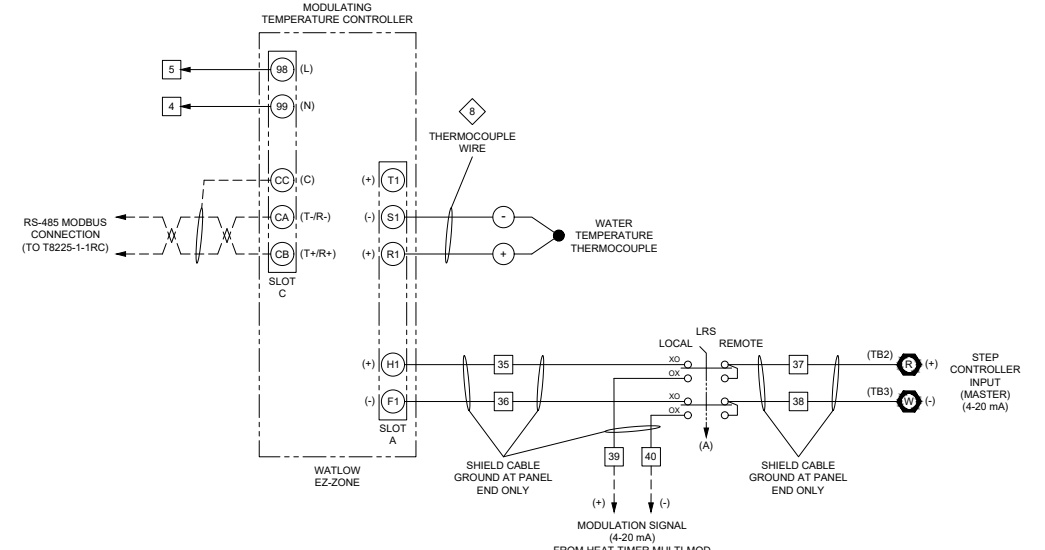
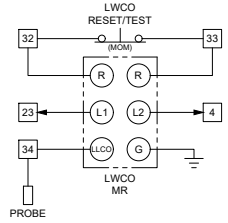
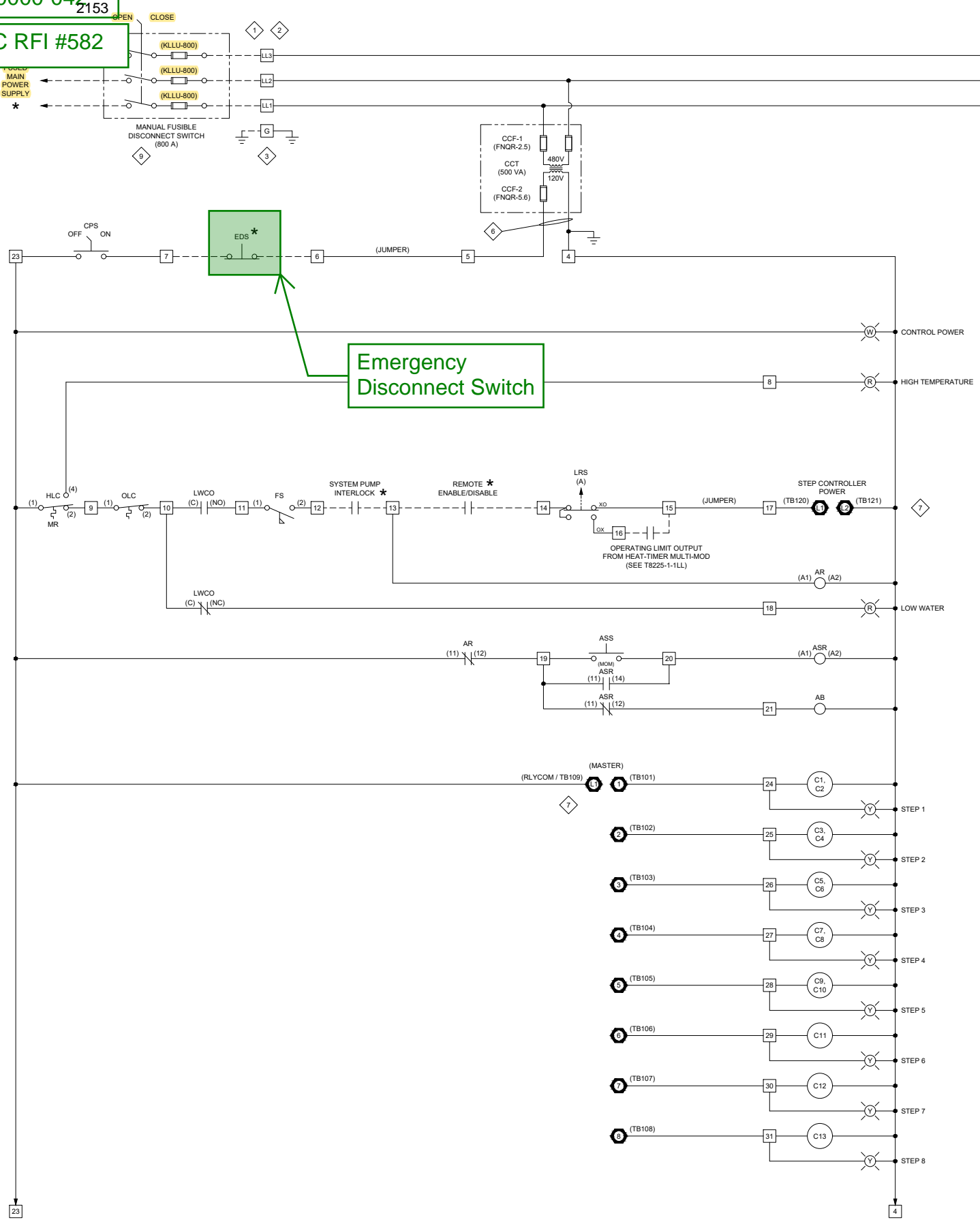
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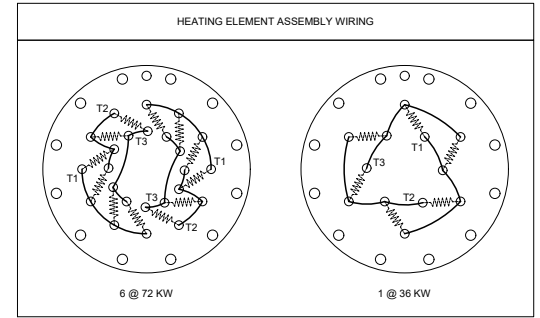
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CCC- CR323.1



INDICATES "ON"
INDICATES "OFF"



- NOTES:**
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 - FIELD WIRING FURNISHED BY OTHERS
 - STEP CONTROLLER TERMINALS
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 - B - GREATER THAN 120 VAC
 - O - LOW VOLTAGE AC
 - Y - DRY CIRCUIT
 - G - GROUND CONDUCTOR
 - BL - VOLTAGE DC
 - W - NEUTRAL/GROUNDED CONDUCTOR

REVISIONS		DRAWING	
01	03/04/21	DRN	REVISED DISCONNECT SWITCH TO FUSIBLE 800A (S/L), PER ORDER REV #1.

WARNING: Changes, modifications, or alterations are strictly prohibited. Changes to this drawing and subsequent modification of equipment could result in damage to the equipment and/or serious personal injury.

ELECTRICAL SPECIFICATIONS		WIRE COLOR		SYMBOL
HEATING STAGES	5 @ 72 KW, 3 @ 36 KW	YELLOW		Y
ELEMENT RATING	6 KW / 75 WSI / 480 V	GREEN		GRN
ELEMENT SHEATH	INCOLOY	RED		R
ELEMENT QUANTITY	78	BLUE		BL
CONTACTOR QUANTITY	13	WHITE		W
		BLACK		B
		BLUE/WHITE		BLU/WH
		YELLOW/GREEN		YEL/GRN
		GREEN/YELLOW		GRN/YEL

ARLINGTON HIGH SCHOOL ARLINGTON, MA T8225	/-2
WIRING DIAGRAM	
SHEET NO:	1 OF 1

SCALE N.T.S.	DATE 12/11/20	DRAWN BY DRN	CHECKED BY JMP	SIZE D
WB	202	468	160HW	CSD-1
MODEL	SIZE	KW	PRESSURE	INSURANCE
480	3	60	3	565
VOLTS	PHASE	HERTZ	WIRE	FLA
DWG NO:	T8225-1-1WD			01



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

February 10, 2022

VIA EMAIL ONLY: cweber@consigli.com

Mr. Chris Weber, Project Manager
Consigli Construction Company, Inc.
72 Sumner Street
Milford, MA 01757

RE: Job #2698 - Arlington High School, Arlington, MA
Proposal #119

Dear Mr. Weber:

Wayne J. Griffin Electric, Inc. ("WJGE") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

As reflected under RFI-582 response, furnish and install two (2) EPO stations for the boiler located in Building B mechanical room.

Total \$ 3,468.17

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us. The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval, and acceptance.

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Corporate Headquarters:

116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:

296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

1950 Evergreen Boulevard
Suite 300
Duluth, GA 30096
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (508) 306-5313 or wpease@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Wayne A. Pease
Senior Project Manager

WP/hat

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: John LaMarre, Senior Project Manager, Consigli Construction Company, Inc.,
JLaMarre@consigli.com
George Gray, Project Engineer, Wayne J. Griffin Electric, Inc.
Jeremiah Kimball, Project Foreman, Wayne J. Griffin Electric, Inc.



CCN#: P-0119, RFI-582 Bld B EPO Stations
 Date: 2/9/2022
 Project Name: Arlington High School
 Project Number: 02698-00-20
 Page Number: 1

116 Hopping Brook Road, Holliston, MA 01746
 (508) 429-8830 FAX (508) 429-9251

Work Description

As reflected under RFI-582 response, furnish and install (2) two EPO stations for the boiler located in Building B. mechanical room

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
Field Layout/Coordination	0.00	0.0000	HRS	0.000	0.000	0.810
Phase Totals				0.00		0.81
3/4" EMT Pipe	120.00	1.7300	E	207.600	0.062	7.440
3/4" EMT S/S Connectors	8.00	1.0500	E	8.400	0.073	0.580
3/4" EMT S/S Couplings	12.00	2.4000	E	28.800	0.043	0.520
3/4" EMT Supports	15.00	0.3600	E	5.400	0.042	0.630
4" Sq Boxes	4.00	6.4000	E	25.600	0.400	1.600
4" Sq Blank Covers	4.00	0.9800	E	3.920	0.125	0.500
Box Supports	4.00	1.9800	E	7.920	0.060	0.240
#12 THHN Cu Wire	450.00	0.2520	E	113.400	0.007	3.150
EPO Shut Off Stations	2.00	298.7600	E	597.520	0.750	1.500
Freight	1.00	65.0000	E	65.000	0.000	0.000
Phase Totals				1,063.56		16.16
Totals				1,063.56		16.97
Tax				0.00		
Materials with Tax				1,063.56		

Summary

	Itemized Breakdown Total		1,063.56	
Electrical Journeyman	(16.9700 hrs @ \$93.84 / hr)	1,592.46		
			1,592.46	
Labor Burden	(\$1,592.46 @ 30.00%)	477.74		
		477.74		
Overhead & Profit	(\$3,133.76 @ 10.00%)	313.38		
		313.38		
Bond	(\$3,447.14 @ 0.61%)	21.03		
		21.03		
			812.15	
Total			\$3,468.17	



Electric Boiler Emergency Disconnect Switch (Building E/B) (PJK RFI #75)

TO:	Stephanie MacNeil (HMFH Architects) Arthur Duffy (HMFH Architects)	FROM:	Kevin Samya (Consigli Construction Co., Inc.) 72 Sumner Street Milford, Massachusetts 01757
DATE INITIATED:	12/22/2021	STATUS:	Open
LOCATION:		DUE DATE:	12/27/2021
COST CODE:		REFERENCE:	PJK RFI #75
COST IMPACT:	TBD	SCHEDULE IMPACT:	TBD
DRAWING NUMBER:	M4.1, E2.2e, E2.0b	SPEC SECTION:	230000 - Heating, Ventilating, and Air Conditioning (HVAC)
RECEIVED FROM:	William Gray (P.J. Kennedy & Sons)		

COPIES TO:

CA Bala (Bala Consulting Engineers), Gil Castera (Bala), Victoria Clifford (Skanska USA Inc.), Greg Cmar (Interval Data Systems), Patrick Condon (Consigli Construction Co., Inc.), Ken Davis (Bala Consulting Engineers), Tom DeRosa (Consigli Construction Co., Inc.), David Dockendorf (Consigli Construction Co., Inc.), Arthur Duffy (HMFH Architects), Jim Fikiet (Skanska USA Inc.), Ryan Flynn (Bala Consulting Engineers), Vianely Franco (HMFH Architects), Kevin Fuller (Interval Data Systems), Mike Gagne (Interval Data Systems), Bill Gnerre (Interval Data Systems), George Hines (Bala Consulting Engineers), William Lentz (Bala Consulting Engineers), Stephanie MacNeil (HMFH Architects), Chuck McWilliams (Consigli Construction Co., Inc.), Reid Mullett (Rist-Frost-Shumway Engineering (RFS)), Brandon Mynter (Consigli Construction Co., Inc.), Sy Nguyen (Skanska USA Inc.), Fran Patnode (Rist-Frost-Shumway Engineering (RFS)), Hal Raymond (Skanska USA Inc.), Richard Rivera (Bala Consulting Engineers), Kevin Samya (Consigli Construction Co., Inc.), Mason Saunders (Consigli Construction Co., Inc.), Chris Weber (Consigli Construction Co., Inc.)

Question from Kevin Samya (Consigli Construction Co., Inc.) at 03:12 PM on 12/22/2021

Please reference the attached PJK RFI #75. Please reference HVAC Drawing M4.1 and the associated Electrical Drawings E2.2e and E2.0b.

The Electrical Boilers in Mechanical Room S2-14 require an "Emergency Disconnect Switch" at the exits of the room. Startup of the equipment cannot be completed until the switch is furnished and installed by a certified electrician. There is no information in the specifications or drawings identifying ownership and locations of these devices.

The HVAC Contractor has proposed (2) device locations in the attached document that need to be confirmed acceptable by AHJ. Design team to provide insight on devices.

Please Note - Mechanical Room S1-08 on Level 1 of Building B also has an Electric Boiler that requires the same "Emergency Disconnect Switch".

Attachments:

[RFI #582 - Electric Boiler Emergency Disconnect Switch \(Building E-B\) \(PJK RFI #75\).pdf](#)

Awaiting an Official Response

All Replies:

Emergency Disconnect Switches for Electric Boilers are required and should be added at both Mechanical Rooms. Refer to attached Sketches SKE-41A & 41B. Switches shall be push button type with "Emergency Boiler Shut-Down" text on device (by Pilla Electrical Model BSD120 or equal) installed in approximate locating shown at an elevation of 48" above finished floor. Switches located in common corridors shall be provided with tamper-proof plastic transparent covers.

J. Ryan Flynn/Ken Davis - BALA
1/04/2022

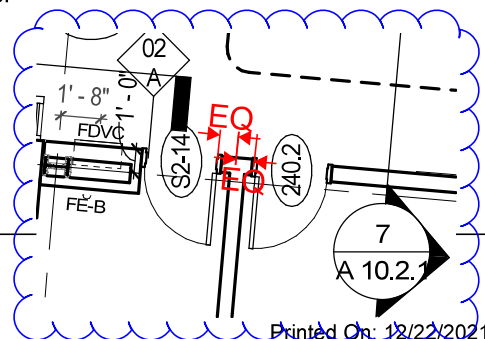
The switch at Corridor C2-15 is to be located centered within the width of tile between doors S2-14 and 240.2.

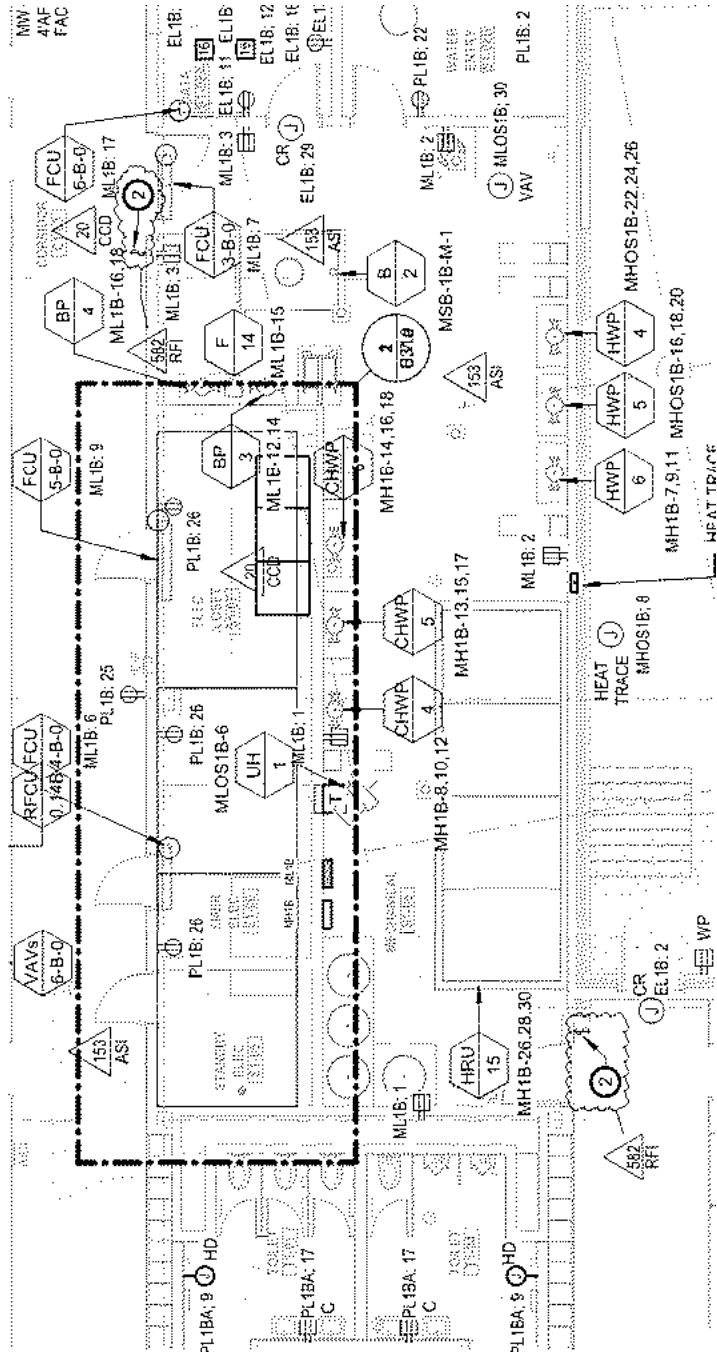
Stephanie MacNeil

BY

01/04/2022

DATE





SHEET NOTES	
1	CONNECT TO PREVIOUS SHEET
2	SWITCH IS DISCONNECT FROM MAIN CONTROL PANEL



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR363
Date: 3/10/22
Job: 2153 Arlington High School
Phone:

Description: RFI-614 - Public Address Spray Booth Explosion Proof Speaker Specification (BLDG D - PH1)_Sub. 31022

Source: RFI # 614

We offer the following specifications and pricing to make the changes as described below:

CR363 includes WGEI costs associated with RFI #614 Public Address Spray Booth Explosion Proof Speaker Specification (BLDG D - PH1) issued by HMFH on 2.11.22. The electrical drawings call for a standard wall mounted speaker, however, per RFI response an 'explosion proof' speaker is required in this room. CR363 includes pricing associated with the F&I of desired speaker. CCC proceeded with this scope to maintain schedule. Please see attached pricing and associated backup for additional information.

Assumptions & Qualifications:

- Cutting, patching, and painting.
- Premium Time or Overtime
- Conduit, boxes, and fittings.
- Electrical portion, if required.

Description	Labor	Material	Equipment	Subcontract	Other	Price
WJGEI (Telecom) - Proposal #127 dated 02.24.22				\$1,912.65		\$1,912.65
					Subtotal:	\$1,912.65
		Bond (.75%)		\$1,912.65		\$14.34
		General Liability (1.2%)		\$1,912.65		\$22.95
		Subguard (1.4%)		\$1,912.65		\$0.00
		OH&P (5% subs, 10% self perform)		\$1,949.94		\$97.50
					Total:	\$2,047.44

☐ SCHEDULE IMPACT

☒ We have proceeded with this change to achieve schedule.

☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR

72 Sumner Street

PH: 617-574-1524

OWNER

(Signature)

Arthur Duffy

By

03/21/2022

Date

(Signature)

John LaMarre

By

03/10/2022

Date

(Signature)

Jim Burrows

By

4/12/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com

Hartford CT • Washington DC • Portland ME • Boston MA • Milford MA • Albany NY • New York NY • Pleasant Valley NY • Ronkonkoma NY

2153

2vv



CCC - CR363

GAI-TRONICS®

A grey, horn-shaped megaphone with a black handle and a small logo on the front. The megaphone is shown from a side-on perspective, highlighting its flared horn and the handle. The logo on the front is a small circular emblem with a stylized 'S' or similar symbol.

Part#	Version	Output
13310-311	16 ohm	25W
13310-312	8 ohm	25W
13310-313	70V	25W, 12.5W, 6W, 2W

This is a 70V loudspeaker that would be directly compatible with the existing PA system wiring and amplifiers. When installed, we recommend that it be adjusted to use the 6W tap.

Audio:

Rated Power.....	25W RMS
SPL.....	105dB +/- 3dB @ 1w @ 1m
	119dB +/- 3dB @ 25w @ 1m
Frequency Range.....	300Hz to 8000 Hz
Directivity Index.....	7.5@ 1kHz, 17.5@ 4kHz

Approvals:

UL, cUL
Class I Division 1, ABCD, T6, Ta -40°C to +70°C
Class I Division 2, ABCD, T6, Ta -40°C to +70°C
Class I Zone 1, IIC, T6
UL1480 Ed. 6

Mechanical:

Weather Rating	NEMA 4, 4X, 3R, 13
Driver Enclosure:	Marine grade Aluminum LM6, chromated & powder coated
Horn Flare	High Impact ABS
Mounting Bracket	316 Stainless Steel
Cable Entries:	1 x ½" NPT, 2 x 20mm*
Color	Gray (RAL7038)
Weight	Impedance 9.1lbs, transformer 9.9lbs

Environmental:

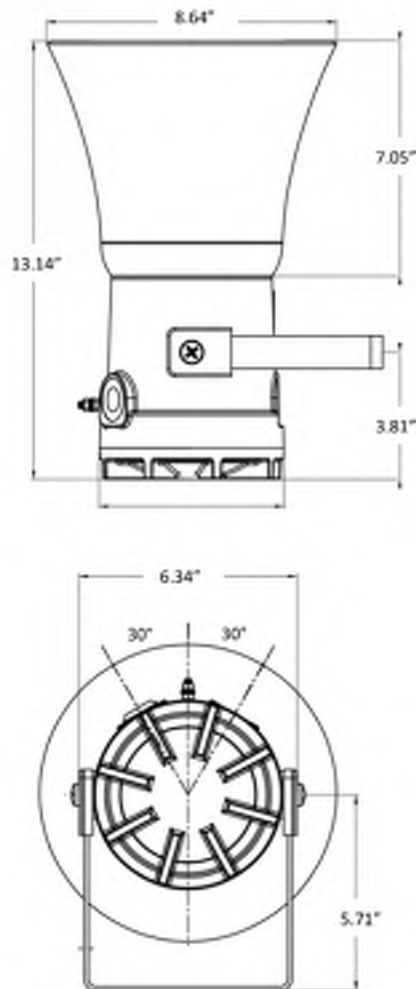
Operating Temperature	-40°F to +158°F
Storage Temperature	-58°F to +158°F

25 Watt UL Class I Division 1 Speakers

13310-3xx for Gaseous Environments

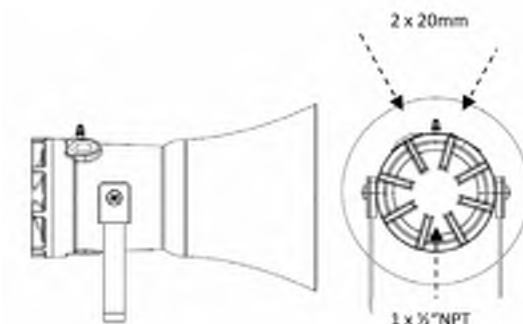


Dimensions



* All versions are fitted with one (1) ½ inch NPT entry and two (2) 20mm entries. All entries are fitted with brass stopping plugs as standard.

Part number GTRFP9051-112 comprises two (2) brass 20mm to ½" NPT adaptors for in and out termination.



USA Toll Free: 1 (800) 492-1212 Tel: (610) 777-1374 Fax: (610) 796-5954 www.gai-tronics.com
UK Tel: +44 (0)1283 500500 Fax: +44 (0)1283 500400 gai-tronics.org
Italy Tel: +39 02 48601460 Fax: +39 02 93663110 www.gai-tronics.com
Asia Tel: +(65) 6282 2242 (press 4 for GAI-Tronics) www.gai-tronics.com
Australia Tel: 011-61-28-851-5000 Fax: 011-61-29-899-2490 www.austdac.com.au



Quality Management System Certified by DNV-GL - ISO 9001:2008. The policy of GAI-Tronics is one of continuous improvement; therefore the company reserves the right to change specifications without notice.

Pub. 150901 Rev. 10/2016





WAYNE J.
GRIFFIN ELECTRIC
INC.

REQUEST FOR INFORMATION

This is a request for information / clarification to resolve any questions in plans and specifications. Any changes to the contract as a result of the answer to the question below will be addressed under separate cover.

Request For Information No. T-067

Date: 1/25/2022

To: CONSIGLI CONSTRUCTION

Job #: 2698-T

Attn.: _____, _____
Title

Project: Arlington High School

Reference: AS1-066 SKT10 DETAIL 3

Question: Telecom drawings reflect a paging speaker installed within Spray Booth 227A.

The drawings do not designate this speaker as anything other than a regular wall mounted
speaker. Please clarify if this is intended, as it has come to our attention that the Spray Booth
is a rated explosion proof room. Please issue a change if a different type of speaker is desired.

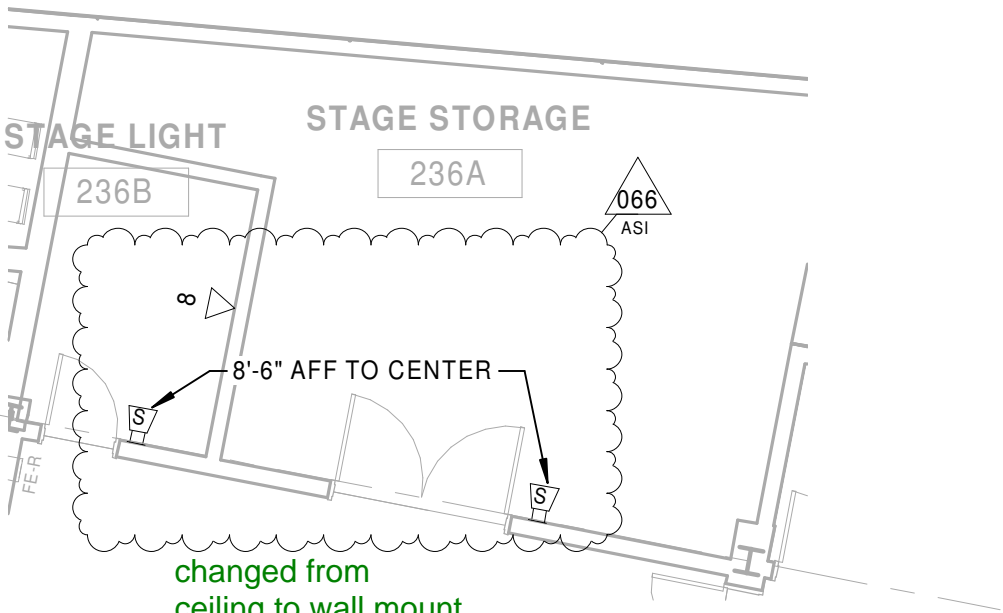
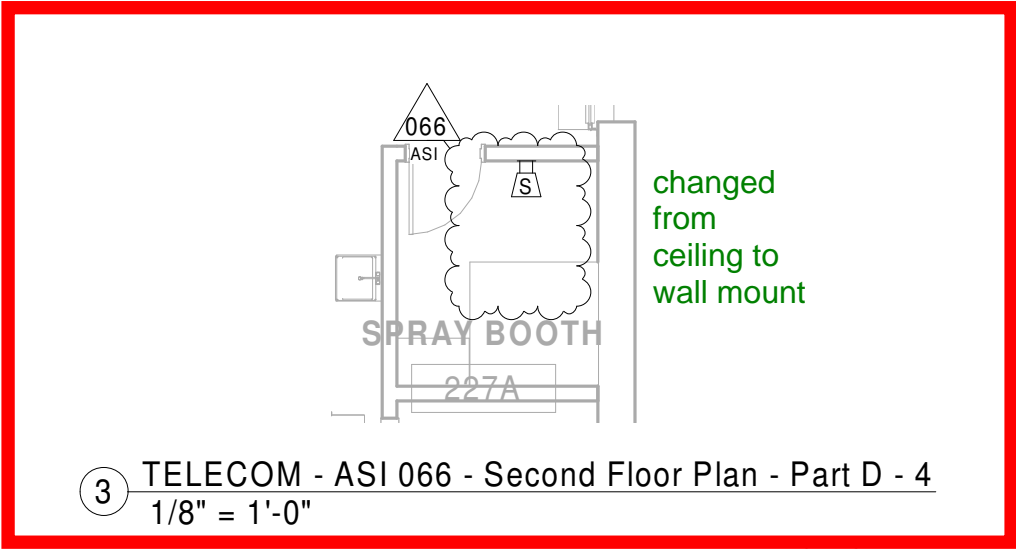
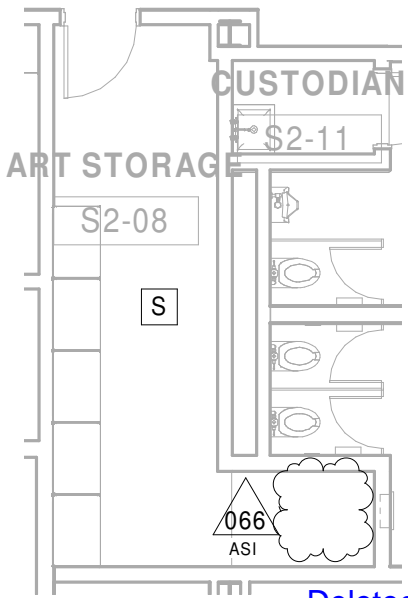
Signed: _____ Date: _____

Please provide an answer by _____ to minimize the impact to our work.
Time is of the essence.

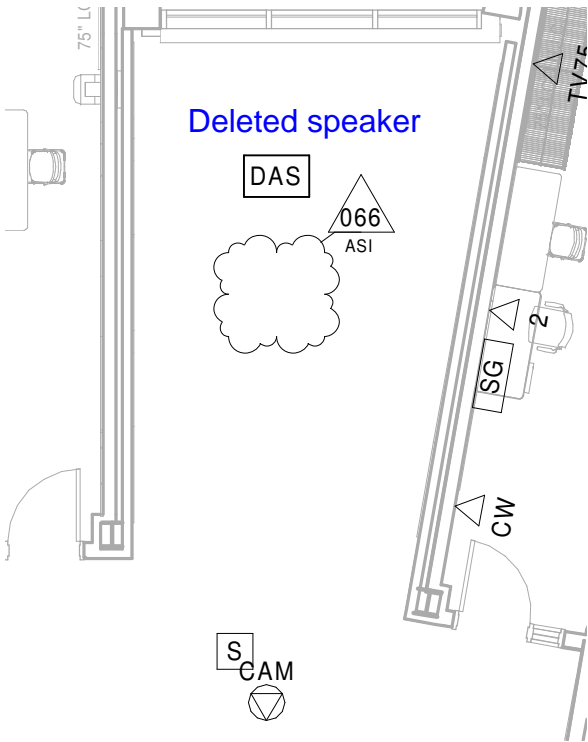
Attachments: Yes: x No: _____ Copy: _____

Answer: _____

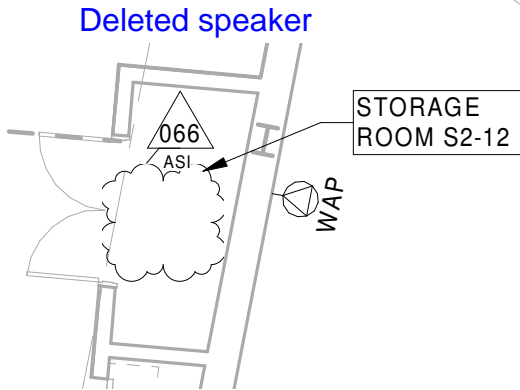
Signed: _____ Date: _____



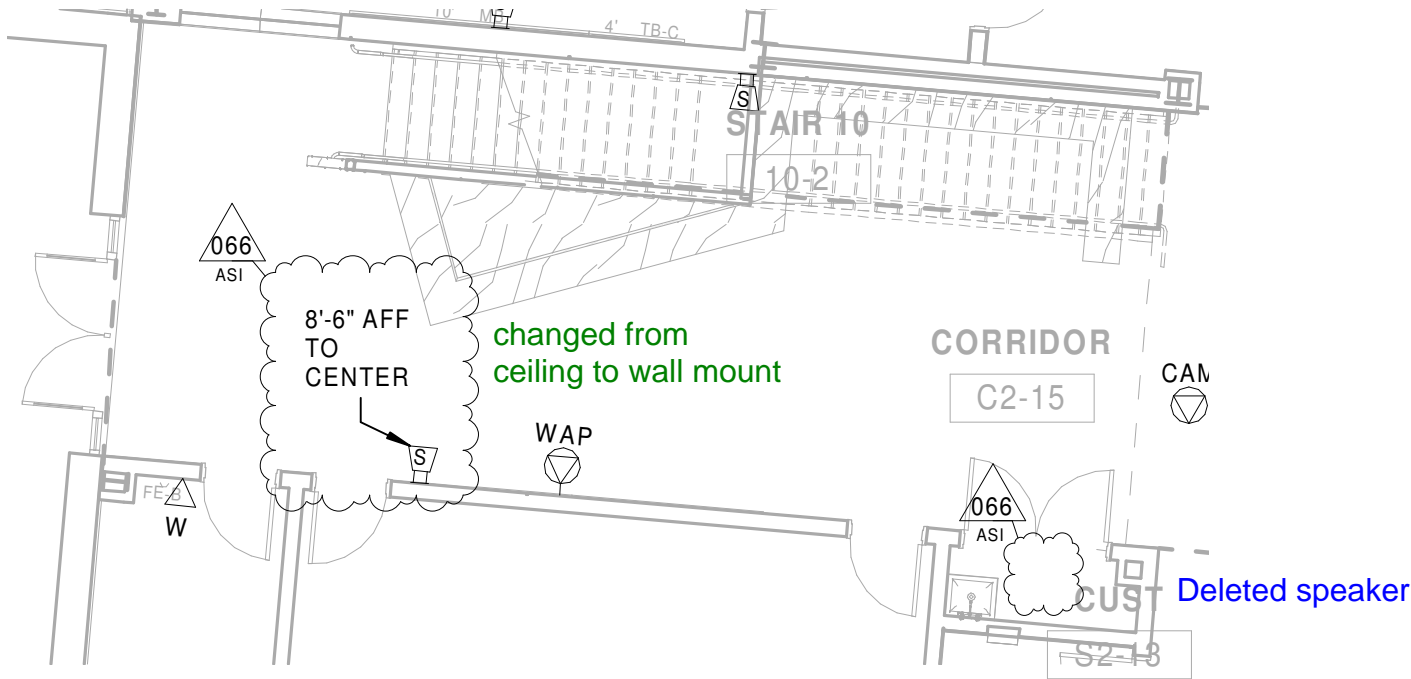
1 TELECOM - ASI 066 - Second Floor Plan - Part D - 2
1/8" = 1'-0"



2 TELECOM - ASI 066 - Second Floor Plan - Part D - 3
1/8" = 1'-0"



6 TELECOM - ASI 066 - Second Floor Plan - Part E -
1/8" = 1'-0"



4 TELECOM - ASI 066 - Second Floor Plan - Part E - 1
1/8" = 1'-0"

5 TELECOM - ASI 066 - Second Floor Plan - Part E - 3
1/8" = 1'-0"

ASI-066

DRAWING NUMBER

SKT 10

Project Number

Arlington High School

Massachusetts Avenue, Arlington, MA

TELECOM - ASI 066 - PA Speaker Revisions

SCALE: 1/8" = 1'-0" DATE: 05/05/21 DRAWN: Author/CHECKED: Checker

RECEIVED
5/7/2021



March 9, 2022

VIA EMAIL ONLY: cweber@consigli.com

Mr. Chris Weber, Project Manager
Consigli Construction Company, Inc.
72 Sumner Street
Milford, MA 01757

RE: Job #2698T - Arlington High School - Telecom, Arlington, MA
Email Confirmation - Proposal #127

Dear Mr. Weber:

We are in receipt of the email dated February 23, 2022 (copy attached) directing Wayne J. Griffin Electric, Inc. ("WJGEI") in writing to proceed with the scope of work specified in Proposal #127 dated February 24, 2022 (copy attached).

We will take the requested action and keep you informed of our progress and any impacts this change might have on other work or the construction schedule.

If we do not hear from you we will proceed with the understanding that the email fulfills the contractual requirement that the direction for additional work be given in writing, and that your company will accept responsibility for the costs noted in our proposal associated with your direction.

In the case where we are doing the work without the opportunity to offer a lump sum proposal, we will track our time and material on slips that we will ask you to sign daily for verification of our work. At such time as we are able to offer a lump sum price we will do so. In the event that a lump sum price cannot be agreed to, we will be paid on a time and material basis in accordance with agreed to labor rates and industry standard material pricing methods.

Corporate Headquarters:
116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:
296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

1950 Evergreen Boulevard
Suite 300
Duluth, GA 30096
Phone: (678) 417-9377
Fax: (678) 417-9373


2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

Again, thank you for your continued confidence in WJGEI. We look forward to working with you toward a mutually successful project. We will bill this work as it is accomplished.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Keith Sanborn
Telecom Division Manager

KS/kab

Enclosure

cc: Kevin Samya, Assistant MEP Manager, Consigli Construction Company, Inc.,
ksamya@consigli.com
John LaMarre, Senior Project Manager, Consigli Construction Company, Inc.,
JLaMarre@consgili.com
Jeremiah Kimball, Project Foreman, Wayne J. Griffin Electric, Inc.
Michael DeCiccio, Project Engineer/Telecom, Wayne J. Griffin Electric, Inc.
Daniel Hume, Project Foreman/Telecom, Wayne J. Griffin Electric, Inc.
Marco Filipe, Assistant Project Manager/Telecom, Wayne J. Griffin Electric, Inc.
Kim Beagan, Project Administrator/Telecom, Wayne J. Griffin Electric, Inc.
Vandana Lakkakula, Accounts Receivable Administrator, Wayne J. Griffin Electric, Inc.

Kelly Buurma

From: PM Typing
Subject: FW: RFI: #614: Public Address Spray Booth Explosion Proof Speaker Specification (Building D) (WJGEI RFI #67T)

From: Samya, Kevin <ksamya@consigli.com>
Sent: Wednesday, February 23, 2022 9:36 AM
To: Dan Hume <dhume@WJGEI.com>; Marco Filipe <mfilipe@WJGEI.com>
Cc: Weber, Chris <cweber@consigli.com>; LaMarre, John <JLaMarre@consigli.com>; Martino, Scott <smartino@consigli.com>
Subject: RE: RFI: #614: Public Address Spray Booth Explosion Proof Speaker Specification (Building D) (WJGEI RFI #67T)

Note: This email originated outside Wayne J. Griffin Electric. Use caution with replies, links and attachments. Please forward any suspicious looking email to spamcatcher@wjgei.com.

Please work through any cost with Chris.

Please proceed with procuring and providing submittal with a lead time per my initial request on 2/12/22.



Kevin Samya
Assistant M/E/P Manager
m: 508.244.1698
    consigli.com

From: Dan Hume <dhume@WJGEI.com>
Sent: Wednesday, February 23, 2022 9:27 AM
To: Samya, Kevin <ksamya@consigli.com>; Marco Filipe <mfilipe@WJGEI.com>
Subject: Re: RFI: #614: Public Address Spray Booth Explosion Proof Speaker Specification (Building D) (WJGEI RFI #67T)

Kevin,

This should be issued as a change request.

Thank You,
Dan Hume

Project Foreman / Telecom
Wayne J. Griffin Electric, Inc.
116 Hopping Brook Rd. Holliston, MA 01746
Email: dhume@wjgei.com
Cell: (774) 217-9808



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

February 24, 2022

VIA EMAIL ONLY: cweber@consigli.com

Mr. Chris Weber, Project Manager
Consigli Construction Company, Inc.
72 Sumner Street
Milford, MA 01757

RE: Job #2698 - Arlington High School - Telecom, Arlington, MA
Proposal #127

Dear Mr. Chris Weber:

Wayne J. Griffin Electric, Inc. ("WJGEI") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

This proposal includes the following:

- Proposal includes labor and material to install one (1) explosion proof speaker in spray booth in accordance with RFI response to RFI #614.

This proposal excludes the following:

- Cutting, patching, and painting.
- Premium Time or Overtime
- Conduit, boxes, and fittings.
- Electrical portion, if required.

Total \$ 1,912.65

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us.

Corporate Headquarters:

116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:

296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

1950 Evergreen Boulevard
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Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
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Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval, and acceptance.

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (508) 306-5283 or KSanborn@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Keith D. Sanborn
Telecom Division Manager

KDS/hat

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: John LaMarre, Senior Project Manager, Consigli Construction Company, Inc.,
JLaMarre@consgili.com
George Gray, Project Engineer, Wayne J. Griffin Electric, Inc.
Jeremiah Kimball, Project Foreman, Wayne J. Griffin Electric, Inc.
Michael DeCiccio, Project Engineer - Telecom, Wayne J. Griffin Electric, Inc.
Daniel Hume, Project Foreman - Telecom, Wayne J. Griffin Electric, Inc.
Marco Filipe, APM/Telecom, Wayne J. Griffin Electric, Inc.



CCN#: P-0127, RFI #614 P.A. EXPLOSION PROOF S
Date: 2/23/2022
Project Name: Arlington High School - Telecom
Project Number: 02698-T0-20
Page Number: 1

116 Hopping Brook Road, Holliston, MA 01746
 (508) 429-8830 FAX (508) 429-9251

Work Description

This proposal includes the following:

1) Proposal includes labor & material to install one (1) explosion proof speaker in spray booth in accordance with RFI response to RFI #614.

This proposal excludes the following:

- Cutting, patching, painting.
- Premium Time or Overtime
- Conduit, boxes, fittings.
- Electrical portion, if required.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
Field Layout/Coordination	0.00	0.0000	HRS	0.000	0.000	0.200
LABOR - TELECOM TECHNICIAN	1.00	0.0000	E	0.000	4.000	4.000
VENDOR QUOTE-JCI	1.00	1,320.0000	E	1,320.000	0.000	0.000
Totals				1,320.00		4.20
Tax				0.00		
Materials with Tax				1,320.00		

Summary

Itemized Breakdown Total		1,320.00	✓
Telecom Journeyman	(4.2000 hrs @ \$74.77 / hr)	314.03	
		314.03	✓
Labor Burden	(\$314.03 @ 30.00%)	94.20	
		94.20	✓
Overhead & Profit	(\$1,728.23 @ 10.00%)	172.82	
		172.82	✓
Bond	(\$1,901.05 @ 0.61%)	11.60	
		11.60	✓
		278.62	
Total		\$1,912.65	✓



95 Shawmut Rd
 CANTON, MA 02021-1428
 (617) 965 5900
 FAX: (617) 244 8197

Johnson Controls Quotation

TO:
 Wayne J Griffin Electric Inc
 116 Hopping Brook Rd
 HOLLISTON, MA 017461455

Project: Arlington HS RFI 614 speaker
 Customer Reference:
 Johnson Controls Reference: 108493656
 Date: 02/18/2022
 Page 1 of 4

Johnson Controls is pleased to offer for your consideration this quotation for the above project.

QUANTITY	MODEL NUMBER	DESCRIPTION
1	13310-313	explosion proof speaker explosion proof speaker UL/cUL, 25W, CI I Div 1, speak

Total net selling price, FOB shipping point, \$1,320.00 ✓

Comments

includes S&H

THIS QUOTATION AND ANY RESULTING CONTRACT SHALL BE SUBJECT TO THE GENERAL TERMS AND CONDITIONS ATTACHED HERETO.

Fire, Security, Communications, Sales & Service
 Offices & Representatives in Principal Cities throughout North America



TERMS AND CONDITIONS (Rev. 4/20)

1. Payment. Amounts are due upon receipt of the invoice and shall be paid by Customer within 30 days. Invoicing disputes must be identified in writing within 21 days of the invoice date. Payments of any disputed amounts are due and payable upon resolution. All other amounts remain due within 30 days. Work performed on a time and material basis shall be at Company's then-prevailing rate for material, labor, and related items, in effect at the time supplied under this Agreement. Company shall invoice Customer for progress payments to 100% percent based upon equipment delivered or stored, and services performed. In the event project duration exceeds one month, Company reserves the right to submit partial invoices for progress payments for work completed at the project site. Customer agrees to pay any progress invoices in accordance with the payment terms set forth herein. In exchange for close-out documents to be provided by Company, Customer agrees to pay Company the remaining project balance when on-site labor is completed and prior to any final inspections. Customers without established satisfactory credit and Customers who fail to pay amounts when due may be required to make payments of cash in advance, upon delivery or as otherwise specified by Company. Company reserves the right to revoke or modify Customer's credit in its sole discretion. Customer's failure to make payment when due is a material breach of this Agreement and will give Company, without prejudice to any other right or remedy, the right to (a) stop performing any Services and/or withhold further deliveries of Equipment and other materials; terminate or suspend any unpaid software licenses; and/or terminate this Agreement; and (b) charge Customer interest on the amounts unpaid at a rate equal to the lesser of 1.5% per month or the maximum rate permitted under applicable law, until payment is made in full. Customer agrees to pay all of Company's reasonable collection costs, including legal fees and expenses.

2. Deposit. Customer agrees to pay a deposit equal to 30% of the project sell price (pre-tax) prior to Company providing any labor or materials on the project. Company will generate an invoice for the 30% deposit within three business days after Company's receipt of a written agreement or order from Customer. Company will not commence work until receipt of the deposit.

3. Pricing. The pricing set forth in this Agreement is based on the number of devices to be installed and services to be performed as set forth in the Scope of Work ("Equipment" and "Services"). If the actual number of devices installed or services to be performed is greater than that set forth in the Scope of Work, the price will be increased accordingly. If this Agreement extends beyond one year, Company may increase prices upon notice to the Customer. Customer agrees to pay all taxes, permits, and other charges, including but not limited to state and local sales and excise taxes, however designated, levied or based on the service charges pursuant to this Agreement. Prices in any quotation or proposal from Company are subject to change upon notice sent to Customer at any time before the quotation or proposal has been accepted. Prices for products covered may be adjusted by Company, upon notice to Customer at any time prior to shipment, to reflect any increase in Company's cost of raw materials (e.g., steel, aluminum) incurred by Company after issuance of Company's applicable proposal or quotation. Pricing for Equipment and material covered by this Agreement does not include any amounts for changes in taxes, tariffs, duties or other similar charges imposed and/or enacted by a government. At any time prior to shipment, Company shall be entitled to an increase in time and money for any costs that it incurs directly or indirectly that arise out of or relate to changes in taxes, tariffs, duties or similar charges due to such changes.

4. Alarm Monitoring Services. Any reference to alarm monitoring services in this Agreement is included for pricing purposes only. Alarm monitoring services are performed pursuant to the terms and conditions of Company's standard alarm monitoring services agreement.

5. Code Compliance. Company does not undertake an obligation to inspect for compliance with laws or regulations unless specifically stated in the Scope of Work. Customer

acknowledges that the Authority Having Jurisdiction (e.g. Fire Marshal) may establish additional requirements for compliance with local codes. Any additional services or equipment required will be provided at an additional cost to Customer.

6. Limitation of Liability; Limitations of Remedy. It is understood and agreed by the Customer that Company is not an insurer and that insurance coverage shall be obtained by the Customer and that amounts payable to company hereunder are based upon the value of the services and the scope of liability set forth in this Agreement and are unrelated to the value of the Customer's property and the property of others located on the premises. Customer agrees to look exclusively to the Customer's insurer to recover for injuries or damage in the event of any loss or injury and that Customer releases and waives all right of recovery against Company arising by way of subrogation. Company makes no guaranty or Warranty, including any implied warranty of merchantability or fitness for a particular purpose that equipment or services supplied by Company will detect or avert occurrences or the consequences therefrom that the equipment or service was designed to detect or avert. It is impractical and extremely difficult to fix the actual damages, if any, which may proximately result from failure on the part of Company to perform any of its obligations under this Agreement. Accordingly, Customer agrees that, Company shall be exempt from liability for any loss, damage or injury arising directly or indirectly from occurrences, or the consequences therefrom, which the equipment or service was designed to detect or avert. Should Company be found liable for any loss, damage or injury arising from a failure of the equipment or service in any respect, Company's liability shall be limited to an amount equal to the Agreement price (as increased by the price for any additional work) or where the time and material payment term is selected, Customer's time and material payments to Company. Where this Agreement covers multiple sites, liability shall be limited to the amount of the payments allocable to the site where the incident occurred. Such sum shall be complete and exclusive. In no event shall Company be liable for any damage, loss, injury, or any other claim arising from any servicing, alterations, modifications, changes, or movements of the Covered System(s) or any of its component parts by Customer or any third party. To the maximum extent permitted by law, in no event shall Company and its affiliates and their respective personnel, suppliers and vendors be liable to Customer or any third party under any cause of action or theory of liability, even if advised of the possibility of such damages, for any (a) special, incidental, consequential, punitive or indirect damages of any kind; (b) loss of profits, revenues, data, customer opportunities, business, anticipated savings or goodwill; (c) business interruption; or (d) data loss or other losses arising from viruses, ransomware, cyber-attacks or failures or interruptions to network systems. The limitations of liability set forth in this Agreement shall inure to the benefit of all parents, subsidiaries and affiliates of Company, whether direct or indirect, Company's employees, agents, officers and directors.

7. Reciprocal Waiver of Claims (SAFETY Act). Certain of Company's systems and services have received Certification and/or Designation as Qualified Anti-Terrorism Technologies ("QATT") under the Support Anti-terrorism by Fostering Effective Technologies Act of 2002, 6 U.S.C. §§ 441-444 (the "SAFETY Act"). As required under 6 C.F.R. 25.5 (e), to the maximum extent permitted by law, Company and Customer hereby agree to waive their right to make any claims against the other for any losses, including business interruption losses, sustained by either party or their respective employees, resulting from an activity resulting from an "Act of Terrorism" as defined in 6 C.F.R. 25.2, when QATT have been deployed in defense against, response to, or recovery from such Act of Terrorism.

8. General Provisions. Customer has selected the service

level desired after considering and balancing various levels of protection afforded, and their related costs. All work to be performed by Company will be performed during normal working hours of normal working days (8:00 a.m. – 5:00 p.m., Monday through Friday, excluding Company holidays), as defined by Company, unless additional times are specifically described in this Agreement. Company will perform the services described in the Scope of Work section ("Services") for one or more system(s) or equipment as described in the Scope of Work section or the listed attachments ("Covered System(s)"). The Customer shall promptly notify Company of any malfunction in the Covered System(s) which comes to Customer's attention. This Agreement assumes the Covered System(s) are in operational and maintainable condition as of the Agreement date. If, upon initial inspection, Company determines that repairs are recommended, repair charges will be submitted for approval prior to any work. Should such repair work be declined Company shall be relieved from any and all liability arising therefrom. UNLESS OTHERWISE SPECIFIED IN THIS AGREEMENT, ANY INSPECTION (AND, IF SPECIFIED, TESTING) PROVIDED UNDER THIS AGREEMENT DOES NOT INCLUDE ANY MAINTENANCE, REPAIRS, ALTERATIONS, REPLACEMENT OF PARTS, OR ANY FIELD ADJUSTMENTS WHATSOEVER, NOR DOES IT INCLUDE THE CORRECTION OF ANY DEFICIENCIES IDENTIFIED BY COMPANY TO CUSTOMER. COMPANY SHALL NOT BE RESPONSIBLE FOR EQUIPMENT FAILURE OCCURRING WHILE COMPANY IS IN THE PROCESS OF FOLLOWING ITS INSPECTION TECHNIQUES, WHERE THE FAILURE ALSO RESULTS FROM THE AGE OR OBSOLESCENCE OF THE ITEM OR DUE TO NORMAL WEAR AND TEAR. THIS AGREEMENT DOES NOT COVER SYSTEMS, EQUIPMENT, COMPONENTS OR PARTS THAT ARE BELOW GRADE, BEHIND WALLS OR OTHER OBSTRUCTIONS OR EXTERIOR TO THE BUILDING, ELECTRICAL WIRING, AND PIPING.

9. Customer Responsibilities. Customer shall furnish all necessary facilities for performance of its work by Company, adequate space for storage and handling of materials, light, water, heat, heat tracing, electrical service, local telephone, watchman, and crane and elevator service and necessary permits. Where wet pipe system is installed, Customer shall supply and maintain sufficient heat to prevent freezing of the system. Customer shall promptly notify Company of any malfunction in the Covered System(s) which comes to Customer's attention. This Agreement assumes any existing system(s) are in operational and maintainable condition as of the Agreement date. If, upon initial inspection, Company determines that repairs are recommended, repair charges will be submitted for approval prior to any work. Should such repair work be declined Company shall be relieved from any and all liability arising therefrom. Customer shall further:

- supply required schematics and drawings unless they are to be supplied by Company in accordance with this Agreement;
- Provide a safe work environment, in the event of an emergency or Covered System(s) failure, take reasonable safety precautions to protect against personal injury, death, and property damage, continue such measures until the Covered System(s) are operational, and notify Company as soon as possible under the circumstances.
- Provide Company access to any system(s) to be serviced,
- Comply with all laws, codes, and regulations pertaining to the equipment and/or services provided under this Agreement.

Customer is solely responsible for the establishment, operation, maintenance, access, security and other aspects of its computer network ("Network") and shall supply Company secure Network access for providing its services. Products networked, connected to the internet, or otherwise connected to computers or other devices must be appropriately protected by Customer and/or end user against unauthorized access. Customer is responsible to take appropriate measures, including performing back-ups, to protect information, including without limit data, software, or files (collectively "Data") prior to receiving the service or products.

Fire, Security, Communications, Sales & Service
 Offices & Representatives in Principal Cities throughout North America



10. Excavation. In the event the Work includes excavation, Customer shall pay, as an extra to the contract price, the cost of any additional work performed by Company due to water, quicksand, rock or other unforeseen condition or obstruction encountered or shoring required.

11. Structure and Site Conditions. While employees of Company will exercise reasonable care in this respect, Company shall be under no responsibility for loss or damage due to the character, condition or use of foundations, walls, or other structures not erected by Company or resulting from the excavation in proximity thereto, or for damage resulting from concealed piping, wiring, fixtures, or other equipment or condition of water pressure. All shoring or protection of foundation, walls or other structures subject to being disturbed by any excavation required hereunder shall be the responsibility of Customer. Customer shall have all things in readiness for installation including, without limitation, structure to support the sprinkler system and related equipment (including tanks), other materials, floor or suitable working base, connections and facilities for erection at the time the materials are delivered. In the event Customer fails to have all things in readiness at the time scheduled for receipt of materials, Customer shall reimburse Company for all expenses caused by such failure. Failure to make areas available to Company during performance in accordance with schedules that are the basis for Company's proposal shall be considered a failure to have things in readiness in accordance with the terms of this Agreement.

12. Confined Space. If access to confined space by Company is required for the performance of Services, Services shall be scheduled and performed in accordance with Company's then-current hourly rate.

13. Hazardous Materials. Customer represents that, except to the extent that Company has been given written notice of the following hazards prior to the execution of this Agreement, to the best of Customer's knowledge there is no:

- "permit confined space," as defined by OSHA,
- risk of infectious disease,
- need for air monitoring, respiratory protection, or other medical risk,
- asbestos, asbestos-containing material, formaldehyde or other potentially toxic or otherwise hazardous material contained in or on the surface of the floors, walls, ceilings, insulation or other structural components of the area of any building where work is required to be performed under this Agreement.

All of the above are hereinafter referred to as "Hazardous Conditions". Company shall have the right to rely on the representations listed above. If hazardous conditions are encountered by Company during the course of Company's work, the discovery of such materials shall constitute an event beyond Company's control and Company shall have no obligation to further perform in the area where the hazardous conditions exist until the area has been made safe by Customer as certified in writing by an independent testing agency, and Customer shall pay disruption expenses and re-mobilization expenses as determined by Company. This Agreement does not provide for the cost of capture, containment or disposal of any hazardous waste materials, or hazardous materials, encountered in any of the Covered System(s) and/or during performance of the Services. Said materials shall at all times remain the responsibility and property of Customer. Company shall not be responsible for the testing, removal or disposal of such hazardous materials.

14. OSHA Compliance. Customer shall indemnify and hold Company harmless from and against any and all claims, demands and/or damages arising in whole or in part from the enforcement of the Occupational Safety Health Act (and any amendments or changes thereto) unless said claims, demands or damages are a direct result of causes within the exclusive control of Company.

15. Interferences. Customer shall be responsible to coordinate the work of other trades (including but not limited to ducting, piping, and electrical) and for and additional costs incurred by

Company arising out of interferences to Company's work caused by other trades.

16. Modifications and Substitutions. Company reserves the right to modify materials, including substituting materials of later design, providing that such modifications or substitutions will not materially affect the performance of the Covered System(s).

17. Changes, Alterations, Additions. Changes, alterations and additions to the Scope of Work, plans, specifications or construction schedule shall be invalid unless approved in writing by Company. Should changes be approved by Company, that increase or decrease the cost of the work to Company, the parties shall agree, in writing, to the change in price prior to performance of any work. However, if no agreement is reached prior to the time for performance of said work, and Company elects to perform said work so as to avoid delays, then Company's estimate as to the value of said work shall be deemed accepted by Customer. In addition, Customer shall pay for all extra work requested by Customer or made necessary because of incompleteness or inaccuracy of plans or other information submitted by Customer with respect to the location, type of occupancy, or other details of the work to be performed. In the event the layout of Customer's facilities has been altered, or is altered by Customer prior to the completion of the Work, Customer shall advise Company, and prices, delivery and completion dates shall be changed by Company as may be required.

18. Commodities Availability. Company shall not be responsible for failure to provide services, deliver products, or otherwise perform work required by this Agreement due to lack of available steel products or products made from plastics or other commodities. In the event Company is unable, after reasonable commercial efforts, to acquire and provide steel products, or products made from plastics or other commodities, if required to perform work required by this Agreement, Customer hereby agrees that Company may terminate the Agreement, or the relevant portion of the Agreement, at no additional cost and without penalty. Customer agrees to pay Company in full for all work performed up to the time of any such termination.

19. Project Claims. Any claim of failure to perform against Company arising hereunder shall be deemed waived unless received by Company, in writing specifically setting forth the basis for such claim, within ten (10) days after such claims arises.

20. Backcharges. No charges shall be levied against Company unless seventy-two (72) hours prior written notice is given to Company to correct any alleged deficiencies which are alleged to necessitate such charges and unless such alleged deficiencies are solely and directly caused by Company.

21. System Equipment. The purchase of equipment or peripheral devices (including but not limited to smoke detectors, passive infrared detectors, card readers, sprinkler system components, extinguishers and hoses) from Company shall be subject to the terms and conditions of this Agreement. If, in Company's sole judgment, any peripheral device or other system equipment, which is attached to the Covered System(s), whether provided by Company or a third party, interferes with the proper operation of the Covered System(s), Customer shall remove or replace such device or equipment promptly upon notice from Company. Failure of Customer to remove or replace the device shall constitute a material breach of this Agreement. If Customer adds any third party device or equipment to the Covered System(s), Company shall not be responsible for any damage to or failure of the Covered System(s) caused in whole or in part by such device or equipment.

22. Reports. Where inspection and/or test services are selected, such inspection and/or test shall be completed on Company's then current Report form, which shall be given to Customer, and, where applicable, Company may submit a copy thereof to the local authority having jurisdiction. The Report and recommendations by Company are only advisory in nature and are intended to assist Customer in reducing the risk of loss to property by indicating obvious defects or impairments noted to the system and equipment inspected and/or tested. They are

not intended to imply that no other defects or hazards exist or that all aspects of the Covered System(s), equipment, and components are under control at the time of inspection. Final responsibility for the condition and operation of the Covered System(s) and equipment and components lies with Customer.

23. Limited Warranty. Subject to the limitations below, Company warrants any equipment (as distinguished from the Software) installed pursuant to this Agreement to be free from defects in material and workmanship under normal use for a period of one (1) year from the date of first beneficial use or all or any part of the Covered System(s) or 18 months after Equipment shipments, whichever is earlier, provided however, that Company's sole liability, and Customer's sole remedy, under this limited warranty shall be limited to the repair or replacement of the Equipment or any part thereof, which Company determines is defective, at Company's sole option and subject to the availability of service personnel and parts, as determined by Company. Company warrants expendable items, including, but not limited to, video and print heads, television camera tubes, video monitor displays tubes, batteries and certain other products in accordance with the applicable manufacturer's warranty. Company does not warrant devices designed to fail in protecting the System, such as, but not limited to, fuses and circuit breakers. Company warrants that any Company software described in this Agreement, as well as software contained in or sold as part of any Equipment described in this Agreement, will reasonably conform to its published specifications in effect at the time of delivery and for ninety (90) days after delivery. However, Customer agrees and acknowledges that the software may have inherent defects because of its complexity. Company's sole obligation with respect to software, and Customer's sole remedy, shall be to make available published modifications, designed to correct inherent defects, which become available during the warranty period. If Repair Services are included in this Agreement, Company warrants that its workmanship and material for repairs made pursuant to this Agreement will be free from defects for a period of ninety (90) days from the date of furnishing.

EXCEPT AS EXPRESSLY SET FORTH HEREIN, COMPANY DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SERVICES PERFORMED OR THE PRODUCTS, SYSTEMS OR EQUIPMENT, IF ANY, SUPPORTED HEREUNDER.

Warranty service will be performed during Company's normal working hours. If Customer requests warranty service at other than normal working hours, service will be performed at Company's then current rates for after hours services. All repairs or adjustments that are or may become necessary shall be performed by and authorized representative of Company. Any repairs, adjustments or interconnections performed by Customer or any third party shall void all warranties. Company makes no and specifically disclaims all representations or warranties that the services, products, software or third party product or software will be secure from cyber threats, hacking or other similar malicious activity.

24. Indemnity. Customer agrees to indemnify, hold harmless and defend Company against any and all losses, damages, costs, including expert fees and costs, and expenses including reasonable defense costs, arising from any and all third party claims for personal injury, death, property damage or economic loss, including specifically any damages resulting from the exposure of workers to Hazardous Conditions whether or not Customer pre-notifies Company of the existence of said hazardous conditions, arising in any way from any act or omission of Customer or Company relating in any way to this Agreement, including but not limited to the Services under this Agreement, whether such claims are based upon contract, warranty, tort (including but not limited to active or passive negligence), strict liability or otherwise. Company reserves the right to select counsel to represent it in any such action.

25. Insurance. Customer shall name Company, its officers,



employees, agents, subcontractors, suppliers, and representatives as additional insureds on Customer's general liability and auto liability policies.

26. Termination. Any termination under the terms of this Agreement shall be made in writing. In the event Customer terminates this Agreement prior to completion for any reason not arising solely from Company's performance or failure to perform, Customer understands and agrees that Company will incur costs of administration and preparation that are difficult to estimate or determine. Accordingly, should Customer terminate this Agreement as described above, Customer agrees to pay all charges incurred for products and equipment installed and services performed, and in addition pay an amount equal to twenty (20%) percent of the price of products and equipment not yet delivered and Services not yet performed, return all products and equipment delivered and pay a restocking fee of twenty (20%) percent the price of products or equipment returned. Company may terminate this Agreement immediately at its sole discretion upon the occurrence of any Event of Default as hereinafter defined. Company may also terminate this Agreement at its sole discretion upon notice to Customer if Company's performance of its obligations under this Agreement becomes impracticable due to obsolescence of equipment at Customer's premises or unavailability of parts.

27. Default. An Event of Default shall be (a) failure of Customer to pay any amount when due and payable, (b) abuse of the System or the Equipment, (c) dissolution, termination, discontinuance, insolvency or business failure of Customer. Upon the occurrence of an Event of Default, Company may pursue one or more of the following remedies: (i) discontinue furnishing Services and delivering Equipment, (ii) by written notice to Customer declare the balance of unpaid amounts due and to become due under this Agreement to be immediately due and payable; (iii) receive immediate possession of any Equipment for which Customer has not paid; (iv) proceed at law or equity to enforce performance by Customer or recover damages for breach of this Agreement, and (v) recover all costs and expenses, including without limitation reasonable attorneys' fees, in connection with enforcing or attempting to enforce this Agreement.

28. Exclusions. Unless expressly included in the Scope of Work, this Agreement expressly excludes, without limitation, testing inspection and repair of duct detectors, beam detectors, and UV/IR equipment; provision of fire watches; clearing of ice blockage; draining of improperly pitched piping; replacement of batteries; recharging of chemical suppression systems; reloading of, upgrading, and maintaining computer software; system upgrades and the replacement of obsolete systems, equipment, components or parts; making repairs or replacements necessitated by reason of negligence or misuse of components or equipment or changes to Customer's premises, vandalism, corrosion (including but not limited to micro-bacterially induced corrosion ("MIC")), power failure, current fluctuation, failure due to non-Company installation, lightning, electrical storm, or other severe weather, water, accident, fire, acts of God or any other cause external to the Covered System(s). Repair Services provided pursuant to this Agreement do not cover and specifically excludes system upgrades and the replacement of obsolete systems, equipment, components or parts. All such services may be provided by Company at Company's sole discretion at an additional charge. If Emergency Services are expressly included in the scope of

work section, the Agreement price does not include travel expenses.

29. No Option to Solicit. Customer shall not, directly or indirectly, on its own behalf or on behalf of any other person, business, corporation or entity, solicit or employ any Company employee, or induce any Company employee to leave his or her employment, for a period of two years after termination of this Agreement.

30. Force Majeure; Delays. Company shall not be liable, nor in breach or default of its obligations under this Agreement, for delays, interruption, failure to render services, or any other failure by Company to perform an obligation under this Agreement, where such delay, interruption or failure is caused, in whole or in part, directly or indirectly, by a Force Majeure Event. A "Force Majeure Event" is a condition or event that is beyond the reasonable control of Company, whether foreseeable or unforeseeable, including, without limitation, acts of God, severe weather (including but not limited to hurricanes, tornados, severe snowstorms or severe rainstorms), wildfires, floods, earthquakes, seismic disturbances, or other natural disasters, acts or omissions of any governmental authority (including change of any applicable law or regulation), epidemics, pandemics, disease, viruses, quarantines, or other public health risks and/or responses thereto, condemnation, strikes, lock-outs, labor disputes, an increase of 5% or more in tariffs or other excise taxes for materials to be used on the project, fires, explosions or other casualties, thefts, vandalism, civil disturbances, insurrection, mob violence, riots, war or other armed conflict (or the serious threat of same), acts of terrorism, electrical power outages, interruptions or degradations in telecommunications, computer, network, or electronic communications systems, data breach, cyber-attacks, ransomware, unavailability or shortage of parts, materials, supplies, or transportation, or any other cause or casualty beyond the reasonable control of Company. If Company's performance of the work is delayed, impacted, or prevented by a Force Majeure Event or its continued effects, Company shall be excused from performance under the Agreement. Without limiting the generality of the foregoing, if Company is delayed in achieving one or more of the scheduled milestones set forth in the Agreement due to a Force Majeure Event, Company will be entitled to extend the relevant completion date by the amount of time that Company was delayed as a result of the Force Majeure Event, plus such additional time as may be reasonably necessary to overcome the effect of the delay. To the extent that the Force Majeure Event directly or indirectly increases Company's cost to perform the services, Customer is obligated to reimburse Company for such increased costs, including, without limitation, costs incurred by Company for additional labor, inventory storage, expedited shipping fees, trailer and equipment rental fees, subcontractor fees or other costs and expenses incurred by Company in connection with the Force Majeure Event.

31. One-Year Claims Limitation; Choice of Law. No claim or cause of action, whether known or unknown, shall be brought against Company more than one year after the claim first arose. Except as provided for herein, Company's claims must also be brought within one year. Claims not subject to the one-year limitation include claims for unpaid: (a) contract amounts, (b) change order amounts (approved or requested) and (c) delays and/or work inefficiencies. The laws of Massachusetts shall govern the validity, enforceability, and interpretation of this

Agreement.

32. Assignment. Customer may not assign this Agreement without Company's prior written consent. Company may assign this Agreement to an affiliate without obtaining Customer's consent.

33. Entire Agreement. The parties intend this Agreement, together with any attachments or Riders (collectively the "Agreement") to be the final, complete and exclusive expression of their Agreement and the terms and conditions thereof. This Agreement supersedes all prior representations, understandings or agreements between the parties, written or oral, and shall constitute the sole terms and conditions of sale for all equipment and services. No waiver, change, or modification of any terms or conditions of this Agreement shall be binding on Company unless made in writing and signed by an Authorized Representative of Company.

34. Severability. If any provision of this Agreement is held by any court or other competent authority to be void or unenforceable in whole or in part, this Agreement will continue to be valid as to the other provisions and the remainder of the affected provision.

35. Legal Fees. Company shall be entitled to recover from the customer all reasonable legal fees incurred in connection with Company enforcing the terms and conditions of this Agreement.

36. Software and Digital Services. Use, implementation, and deployment of the software and hosted software products ("Software") offered under these terms shall be subject to, and governed by, Company's standard terms for such Software and Software related professional services in effect from time to time at <https://www.johnsoncontrols.com/techterms> (collectively, the "Software Terms"). Applicable Software Terms are incorporated herein by this reference. Other than the right to use the Software as set forth in the Software Terms, Company and its licensors reserve all right, title, and interest (including all intellectual property rights) in and to the Software and improvements to the Software. The Software that is licensed hereunder is licensed subject to the Software Terms and not sold. If there is a conflict between the other terms herein and the Software Terms, the Software Terms shall take precedence and govern with respect to rights and responsibilities relating to the Software, its implementation and deployment and any improvements thereto.

37. License Information (Security System Customers): AL Alabama Electronic Security Board of Licensure 7956 Vaughn Road, Pmb 392, Montgomery, Alabama 36116 (334) 264-9388: AR Regulated by: Arkansas Board of Private Investigators And Private Security Agencies, #1 State Police Plaza Drive, Little Rock 72209 (501)618-8600: CA Alarm company operators are licensed and regulated by the Bureau of Security and Investigative Services, Department of Consumer Affairs, Sacramento, CA, 95814. Upon completion of the installation of the alarm system, the alarm company shall thoroughly instruct the purchaser in the proper use of the alarm system. Failure by the licensee, without legal excuse, to substantially commence work within 20 days from the approximate date specified in the agreement when the work will begin is a violation of the Alarm Company Act: NY Licensed by N.Y.S. Department of the State: TX Texas Commission on Private Security, 5805 N. Lamar Blvd., Austin, 78752-4422, 512-424-7710. License numbers available at www.johnsoncontrols.com or contact your local Johnson Controls office.

IMPORTANT NOTICE TO CUSTOMER

In accepting this Proposal, Customer agrees to the terms and conditions contained herein and any attachments or riders attached hereto that contain additional terms and conditions. It is understood that these terms and conditions shall prevail over any variation in terms and conditions on any purchase order or other document that the Customer may issue. Any changes in the system requested by the Customer after the execution of this Agreement shall be paid for by Customer and such changes shall be authorized in writing. **ATTENTION IS DIRECTED TO THE LIMITATION OF LIABILITY, WARRANTY, INDEMNITY AND OTHER CONDITIONS ON THE PRECEDING PAGES. This proposal shall be void if not accepted in writing within 30 days from the date of the Proposal.**

Fire Domain Sale and Installation Agreement Job Design April 10, 2020

Offered By:
 Johnson Controls Fire Protection LP
 License#:
 95 Shawmut Rd
 CANTON, MA 02021-1428

Telephone: (617) 965 5900 Fax: 603-386-6520

Representative: Michael Chames

Email: michael.chames@jci.com

Accepted By: (Customer)

Company: _____

Address: _____

Signature: _____

Title: _____

P.O.#: _____

Date: _____

Fire, Security, Communications, Sales & Service
 Offices & Representatives in Principal Cities throughout North America



WAYNE J.
GRIFFIN ELECTRIC
INC.

REQUEST FOR INFORMATION

This is a request for information / clarification to resolve any questions in plans and specifications. Any changes to the contract as a result of the answer to the question below will be addressed under separate cover.

Request For Information No. T-067

Date: 1/25/2022

To: CONSIGLI CONSTRUCTION

Job #: 2698-T

Attn.: _____, _____
Title

Project: Arlington High School

Reference: AS1-066 SKT10 DETAIL 3

Question: Telecom drawings reflect a paging speaker installed within Spray Booth 227A.

The drawings do not designate this speaker as anything other than a regular wall mounted
speaker. Please clarify if this is intended, as it has come to our attention that the Spray Booth
is a rated explosion proof room. Please issue a change if a different type of speaker is desired.

Signed: _____ Date: _____

Please provide an answer by _____ to minimize the impact to our work.
Time is of the essence.

Attachments: Yes: x No: _____ Copy: _____

Answer: _____

Signed: _____ Date: _____



Public Address Spray Booth Explosion Proof Speaker Specification (Building D) (WJGEI RFI #67T)

TO:	Stephanie MacNeil (HMFH Architects) Arthur Duffy (HMFH Architects)	FROM:	Kevin Samya (Consigli Construction Co., Inc.) 72 Sumner Street Milford, Massachusetts 01757
DATE INITIATED:	01/28/2022	STATUS:	Open
LOCATION:		DUE DATE:	02/02/2022
COST CODE:		REFERENCE:	WJGEI RFI #67T
COST IMPACT:	TBD	SCHEDULE IMPACT:	TBD
DRAWING NUMBER:		SPEC SECTION:	271000 - Structured Cabling
RECEIVED FROM:	Mike Filipe (Wayne J. Griffin Electric Inc.)		

COPIES TO:

CA Bala (Bala Consulting Engineers), Gil Castera (Bala Consulting Engineers), Victoria Clifford (Skanska USA Inc.), Greg Cmar (Interval Data Systems), Patrick Condon (Consigli Construction Co., Inc.), Ken Davis (Bala Consulting Engineers), Tom DeRosa (Consigli Construction Co., Inc.), David Dockendorf (Consigli Construction Co., Inc.), Arthur Duffy (HMFH Architects), Jim Fikiet (Skanska USA Inc.), Ryan Flynn (Bala Consulting Engineers), Vianely Franco (HMFH Architects), Kevin Fuller (Interval Data Systems), Mike Gagne (Interval Data Systems), Bill Gnerre (Interval Data Systems), George Hines (Bala Consulting Engineers), Mike Kerwin (R.G. Vanderweil Engineers, LLP), John LaMarre (Consigli Construction Co., Inc.), William Lentz (Bala Consulting Engineers), Stephanie MacNeil (HMFH Architects), Scott Martino (Consigli Construction Co., Inc.), Chuck McWilliams (Consigli Construction Co., Inc.), Reid Mullett (Rist-Frost-Shumway Engineering (RFS)), Tom Murphy (R.G. Vanderweil Engineers, LLP), Brandon Mynter (Consigli Construction Co., Inc.), Sy Nguyen (Skanska USA Inc.), Fran Patnode (Rist-Frost-Shumway Engineering (RFS)), Hal Raymond (Skanska USA Inc.), Richard Rivera (Bala Consulting Engineers), Kevin Samya (Consigli Construction Co., Inc.), Mason Saunders (Consigli Construction Co., Inc.), Vanderweil Team Inbox (R.G. Vanderweil Engineers, LLP), Chris Weber (Consigli Construction Co., Inc.)

Question from Kevin Samya (Consigli Construction Co., Inc.) at 11:23 AM on 01/28/2022

Please reference the attached WJGEI RFI #67T.

Telecom drawings show a public address paging speaker being installed within Spray Booth 227A; changed from ceiling device to wall mount in ASI-066. The contract drawings and specifications do not designate this speaker as anything other than a regular wall mounted speaker. Per the architectural drawings this space is intended to be an explosion proof room. Contract documents do not provide a specified product on what is needed. Please provide the model/product of the preferred explosion proof speaker. Please provide sketches for the intended design.

Attachments:

[RFI #614 - Public Address Spray Booth Explosion Proof Speaker Specification \(Building D\) \(WJGEI RFI #67T\).pdf](#)

Awaiting an Official Response

All Replies:

Attached is a product Cut sheet (or equal allowed) of the speaker type required.

BY 

02/11/2022
DATE

COPIES TO

2153

2vv



CCC - CR363

GAI-TRONICS®

A grey, horn-shaped megaphone with a black handle and a small circular logo on the front.

Part#	Version	Output
13310-311	16 ohm	25W
13310-312	8 ohm	25W
13310-313	70V	25W, 12.5W, 6W, 2W

This is a 70V loudspeaker that would be directly compatible with the existing PA system wiring and amplifiers. When installed, we recommend that it be adjusted to use the 6W tap.

Audio:

Rated Power.....	25W RMS
SPL.....	105dB +/- 3dB @ 1w @ 1m
	119dB +/- 3dB @ 25w @ 1m
Frequency Range.....	300Hz to 8000 Hz
Directivity Index.....	7.5@ 1kHz, 17.5@ 4kHz

Approvals:

UL, cUL
Class I Division 1, ABCD, T6, Ta -40°C to +70°C
Class I Division 2, ABCD, T6, Ta -40°C to +70°C
Class I Zone 1, IIC, T6
UL1480 Ed. 6

Mechanical:

Weather Rating	NEMA 4, 4X, 3R, 13
Driver Enclosure:	Marine grade Aluminum LM6, chromated & powder coated
Horn Flare	High Impact ABS
Mounting Bracket	316 Stainless Steel
Cable Entries:	1 x ½" NPT, 2 x 20mm*
Color	Gray (RAL7038)
Weight	Impedance 9.1lbs, transformer 9.9lbs

Environmental:

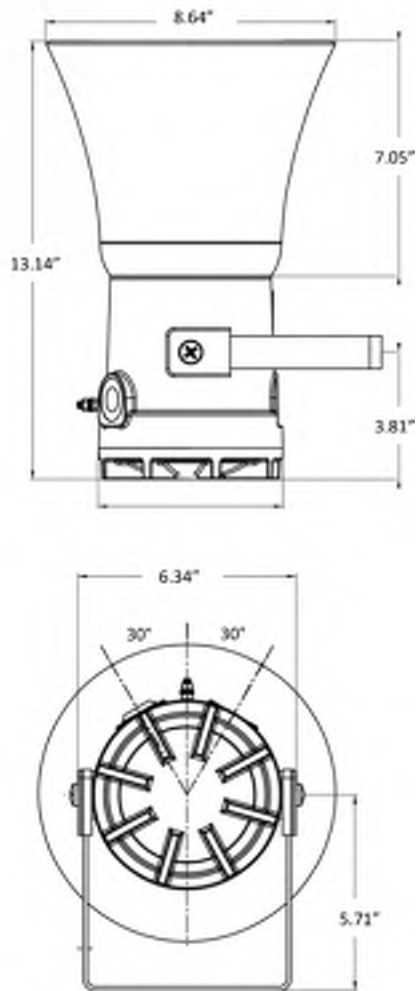
Operating Temperature	-40°F to +158°F
Storage Temperature	-58°F to +158°F

25 Watt UL Class I Division 1 Speakers

13310-3xx for Gaseous Environments

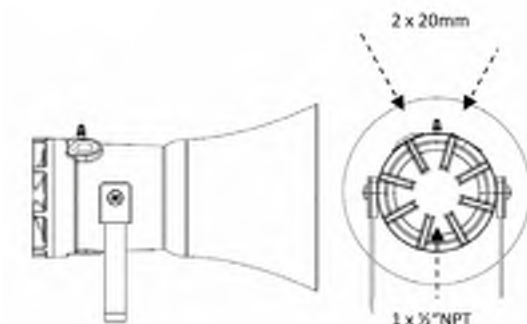


Dimensions



* All versions are fitted with one (1) 1/2 inch NPT entry and two (2) 20mm entries. All entries are fitted with brass stopping plugs as standard.

Part number GTRFP9051-112 comprises two (2) brass 20mm to 1/2" NPT adaptors for in and out termination.



USA Toll Free: 1 (800) 492-1212 Tel: (610) 777-1374 Fax: (610) 796-5954 www.gai-tronics.com
UK Tel: +44 (0)1283 500500 Fax: +44 (0)1283 500400 gai-tronics.org
Italy Tel: +39 02 48601460 Fax: +39 02 93663110 www.gai-tronics.com
Asia Tel: +(65) 6282 2242 (press 4 for GAI-Tronics) www.gai-tronics.com
Australia Tel: 011-61-28-851-5000 Fax: 011-61-29-899-2490 www.austdac.com.au

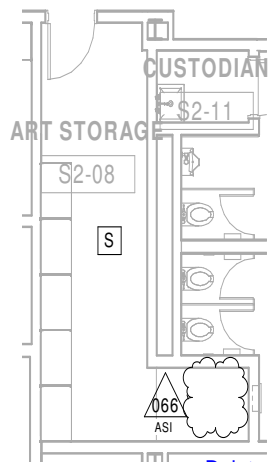


Quality Management System Certified by DNV-GL - ISO 9001:2008. The policy of GAI-Tronics is one of continuous improvement; therefore the company reserves the right to change specifications without notice.

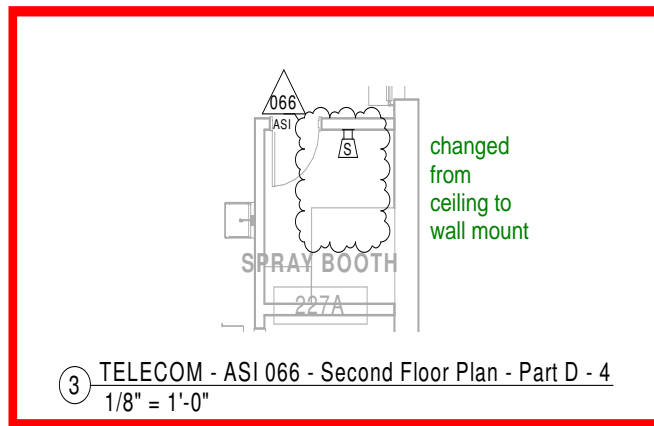
Pub. 150901 Rev. 10/2016



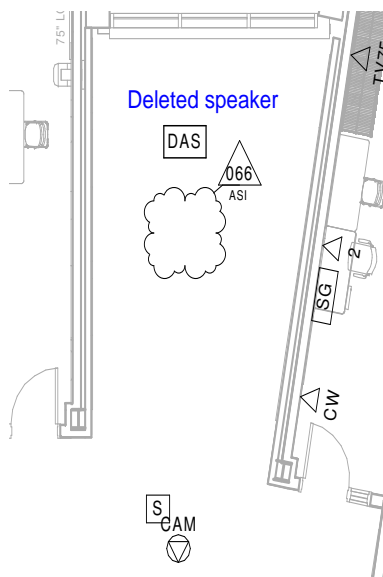
2153



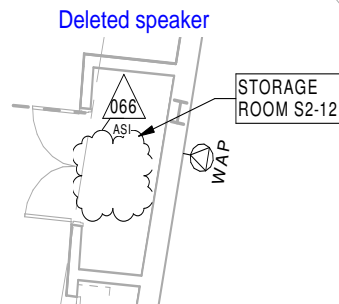
1 TELECOM - ASI 066 - Second Floor Plan - Part D - 2
1/8" = 1'-0"



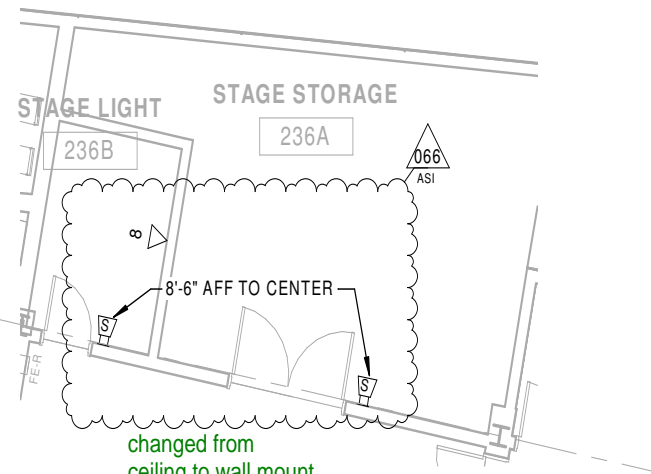
3 TELECOM - ASI 066 - Second Floor Plan - Part D - 4
1/8" = 1'-0"



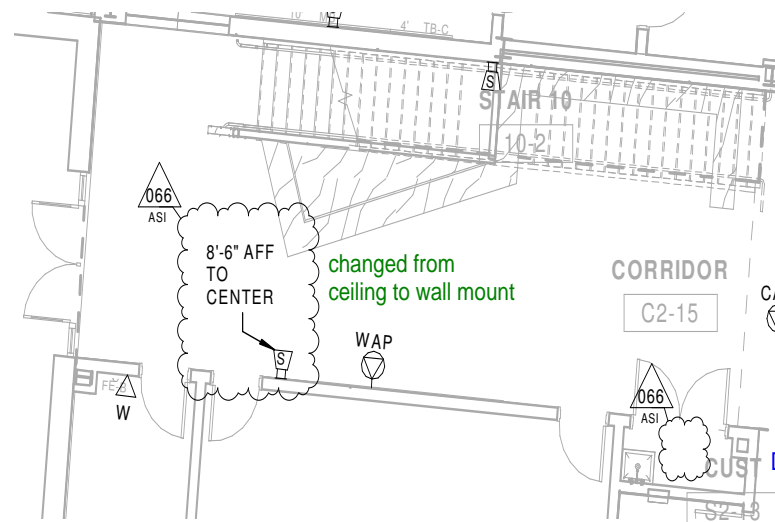
2 TELECOM - ASI 066 - Second Floor Plan - Part D - 3
1/8" = 1'-0"



6 TELECOM - ASI 066 - Second Floor Plan - Part E -
1/8" = 1'-0"



5 TELECOM - ASI 066 - Second Floor Plan - Part E - 3
1/8" = 1'-0"



4 TELECOM - ASI 066 - Second Floor Plan - Part E - 1
1/8" = 1'-0"



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR375
Date: 3/21/22
Job: 2153 Arlington High School
Phone:

Description: ASI-223 - Add Markerboard & Tackboard to Rooms 229 + 524 (Phase 1)_Sub. 032422

Source: ASI # 223

We offer the following specifications and pricing to make the changes as described below:

CR375 includes NEIS costs associated with ASI-223 Add Markerboard & Tackboard to Rooms 229 + 524 issued by HMFH on 3.15.22. The architectural drawings did not illustrate these additional accessories, however, ASI-223 indicates to add these accessories in rooms 229 + 524. CCC will not proceed with the scope until formal direction from owner is received. Please see attached pricing and associated backup for additional information.

Assumptions & Qualifications

- Costs for overtime not included
- Costs to install any potential blocking in current walls is not included.
- Costs for any minor paint damage is not included

Description	Labor	Material	Equipment	Subcontract	Other	Price
NEIS - COR #10027 dated 032322				\$4,789.00		\$4,789.00
					Subtotal:	\$4,789.00
			Bond (.75%)	\$4,789.00		\$35.92
			General Liability (1.2%)	\$4,789.00		\$57.47
			Subguard (1.4%)	\$4,789.00		\$67.05
			OH&P (5% subs, 10% self perform)	\$4,949.44		\$247.47
					Total:	\$5,196.91

☐ SCHEDULE IMPACT

☐ We have proceeded with this change to achieve schedule.

☒ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR

72 Sumner Street

Milford, MA 01757

OWNER

(Signature)

Arthur Duffy

By

04/06/2022

Date

(Signature)

John LaMarre

By

040522

Date

(Signature)

Jim Burrows

By

4/12/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Portland ME • Milford MA

2153

CCC - CR375

H M
F H

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 223

date: 3.15.2022

subject: Add MB and TB to rooms 229 and 524

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☐ Consigli
☒ HMFH Architects ☐ Other:

reference: Drawings A2.2d, A2.5d

attachments: Sketch SKA-186

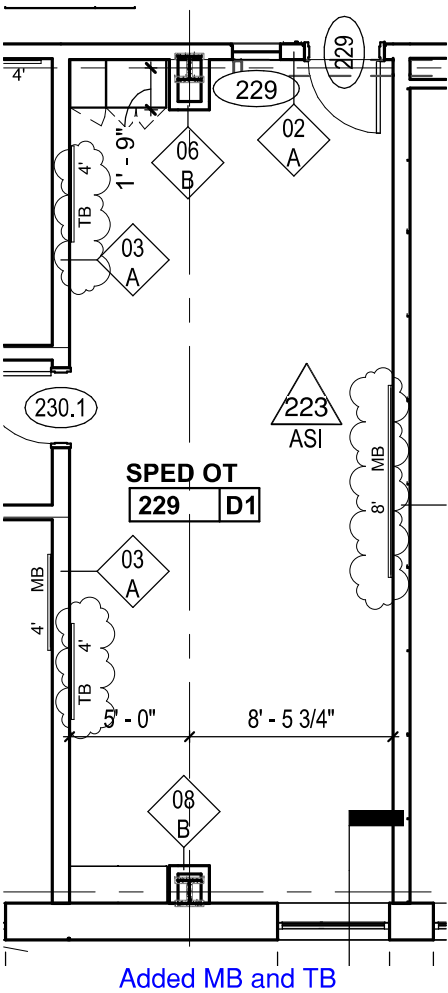
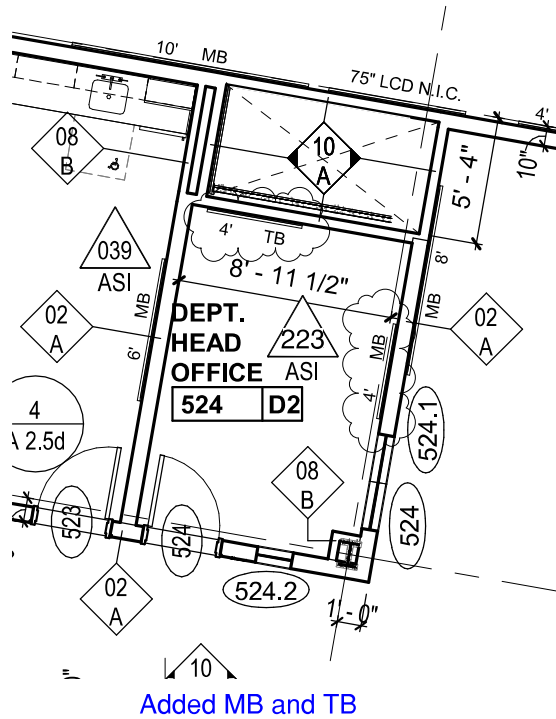
OFFICE. (617) 492 2200
FAX. (617) 876 9775

130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

Add Markerboard and Tackboard to Rooms 229 and 524 as per attached sketch SKA-186.



ASI-223

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

**HM
FH**

Arlington High School

869 Massachusetts Ave, Arlington, MA

Revision to A2.2d and A2.5d: Addition of
MB/TB in Phase 1

SCALE: 1/8" = 1'-0"

DATE: 03/15/2022

DRAWN: ML

CHECKED: AD

DRAWING NUMBER

**SKA
186**

JOB NUMBER

408417

Quote

**New England Interior Specialties, Inc.**

124 Main Street
Norfolk MA 02056
Tel (508) 528-8087
Fax (508) 528-3431

Date	Quote #
3/23/2022	10010027

Submitted To

Consigli Construction Co., Inc.
72 Sumner Street
Milford MA 01757-2607

Expires Proposed Project

4/29/2022

Arlington High School

Quote Details**Amount**

PER ASI-223

FURNISH AND INSTALL THE FOLLOWING MARKER BOARDS AND TACK BOARDS.
ADDED BOARDS SHALL BE OF SAME STYLE AND COLOR AS THOSE ALREADY
APPROVED FOR THE PROJECT.

LEAD TIME FOR THESE ITEMS IS 8 - 10 WEEKS

ROOM 229 - ADD ONE 4'H x 8'W MARKER BOARD WITH SERIES 8 TRIM. MODEL
C-S84X8LCS

1,032.00



ROOM 229 - ADD TWO 4'H x 4'W TACK BOARDS WITH SERIES 8 TRIM. MODEL C-S84X4C...

908.00



ROOM 524 - ADD ONE 4'H x 4'W MARKER BOARD WITH SERIES 8 TRIM. MODEL
C-S84X4LCS

576.00



ROOM 524 - ADD ONE 4'H x 4'W TACK BOARD WITH SERIES 8 TRIM. MODEL C-S84COR

454.00



LABOR - 8 HOURS AT 84.00

672.00



OH&P

364.20



Freight Charge

783.00



SOFT COSTS

-0.20



Should you wish to proceed with this additional work, an executed change order is
required prior to NEIS ordering or our release of any materials into fabrication

Total**\$4,789.00**



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR377
Date: 3/21/22
Job: 2153 Arlington High School
Phone:

Description: RFI-531 - Missing Electrical Circuitry for Panelboards (BLDG B - PH2) (WJGEI RFI #54)_Sub. 032122

Source: RFI # 531

We offer the following specifications and pricing to make the changes as described below:

CR377 includes WGEI costs associated with RFI #531 Missing Electrical Circuitry for Panelboards issued by HMFH on 11.3.21. The electrical drawings originally called for 100A board for panel (MLOS1B), however, the RFI response indicates that panel (MLOS1B) was to be changed to a 225A. In addition, a 100A circuit breaker has been added to feed panel (MLOS1B) and replace the 20A/3-pole circuit breaker feeding (MLOS2B) with a 100A/3-pole breaker. The changes are indicated in SKE 039A, SKE 039B, SKE 039C issued by HMFH on 11.3.21. Please see the attached pricing and associated backup for additional information

Assumptions & Qualifications:

- Costs associated with overtime/acceleration are not included

Description	Labor	Material	Equipment	Subcontract	Other	Price
WJGEI - Proposal #128 dated 03.18.22				\$4,449.90		\$4,449.90
					Subtotal:	\$4,449.90
			Bond (.75%)	\$4,449.90		\$33.37
			General Liability (1.2%)	\$4,449.90		\$53.40
			Subguard (1.4%)	\$4,449.90		\$0.00
			OH&P (5% subs, 10% self perform)	\$4,536.67		\$226.83
					Total:	\$4,763.50

☐ SCHEDULE IMPACT

☒ We have proceeded with this change to achieve schedule.

☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR

72 Sumner Street

Milford, MA 01757

OWNER

(Signature)

Arthur Duffy

By

04/06/2022

Date

(Signature)

John LaMarre

By

3/22/22

Date

(Signature)

Jim Burrows

By

4/12/2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com

Hartford CT • Portland ME • Milford MA



Missing Electrical Circuitry for Panelboards (Building B) (WJGEI RFI #54)

TO:	Stephanie MacNeil (HMFH Architects) Arthur Duffy (HMFH Architects)	FROM:	Kevin Samya (Consigli Construction Co., Inc.) 72 Sumner Street Milford, Massachusetts 01757
DATE INITIATED:	10/07/2021	STATUS:	Open
LOCATION:	Arlington High School>Building B (Phase 2)	DUE DATE:	10/12/2021
COST CODE:		REFERENCE:	WJGEI RFI #54
COST IMPACT:	TBD	SCHEDULE IMPACT:	TBD
DRAWING NUMBER:	E6.1, E10.2.8	SPEC SECTION:	260000 - Electrical
RECEIVED FROM:	George Gray (Wayne J. Griffin Electric Inc.)		

COPIES TO:

CA Bala (Bala Consulting Engineers), Gil Castera (Bala), Victoria Clifford (Skanska USA Inc.), Greg Cmar (Interval Data Systems), Patrick Condon (Consigli Construction Co., Inc.), Ken Davis (Bala Consulting Engineers), Tom DeRosa (Consigli Construction Co., Inc.), David Dockendorf (Consigli Construction Co., Inc.), Arthur Duffy (HMFH Architects), Jim Fikiet (Skanska USA Inc.), Ryan Flynn (Bala Consulting Engineers), Vianely Franco (HMFH Architects), Kevin Fuller (Interval Data Systems), Mike Gagne (Interval Data Systems), Bill Gnerre (Interval Data Systems), George Hines (Bala Consulting Engineers), John LaMarre (Consigli Construction Co., Inc.), William Lentz (Bala Consulting Engineers), Stephanie MacNeil (HMFH Architects), Scott Martino (Consigli Construction Co., Inc.), Chuck McWilliams (Consigli Construction Co., Inc.), Reid Mullett (Rist-Frost-Shumway Engineering (RFS)), Sy Nguyen (Skanska USA Inc.), Fran Patnode (Rist-Frost-Shumway Engineering (RFS)), Hal Raymond (Skanska USA Inc.), Richard Rivera (Bala Consulting Engineers), Kevin Samya (Consigli Construction Co., Inc.), Mason Saunders (Consigli Construction Co., Inc.), Vikram Singh (Consigli Construction Co., Inc.), Chris Weber (Consigli Construction Co., Inc.)

Question from Kevin Samya (Consigli Construction Co., Inc.) at 01:46 PM on 10/07/2021

Please reference the attached WJGEI RFI #54. Please reference Electrical Drawings E6.1 and E10.2.8.

Electrical Riser Diagram for Building B Panelboards MHOS1B, MLOS1B, MLOS2B, and MLOS4B do not appear to electrically support each other with proper feeder breakouts and distribution. Please provide required circuitry for the following.

- Panelboard MHOS1B needs CB to support T5
- Panelboard MLOS1B needs breakers to support MLOS2B and MLOS4B

Please provide sketches for the intended design.

Attachments:

[RFI #531 - Missing Electrical Circuitry for Panelboards \(Building B\) \(WJGEI RFI #54\).pdf](#)

Awaiting an Official Response

All Replies:

- Per dry-type transformer schedule on sheet E6.1, provide 125A/3-pole circuit breaker in panel MHOS1B for transformer T5
- Increase panel MLOS1B to 225A, with a 225A MCB. Provide provide a 100A circuit breaker in panel MLOS1B to feed panel MLOS4B and replace the 20A/3-pole circuit breaker in MLOS1B shown feeding MLOS2B with a 100A/3-pole circuit breaker.

Refer to sketches SKE-039A,B,C

KRD

BY

11/03/2021

11/1/2021

DATE

COPIES TO

RFI 531

CCC - CR377

SKE
39A

6017442

DRAWING NUMBER

JOB NUMBER

Panelboard: MLOS1B

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Distribution System: 120/208 Wye
Phases: 3
Wires: 4
Modifications:

A.I.C. Rating: 10kAIC
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225

531
RFI

Notes	Wiring	Ckt. No.	Load Description	Trip	Poles	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Trip	Load Description	Ckt. No.	Wiring	Notes
		1	RFCU-0.01B,0.02B,0.03B,0.04B	20 A	2	108 / 108			2	20 A	RFCU-0.05B,0.06B,0.10B & FCU-0.11B	2		
		3					108 / 108					4		
		5	RFCU-0.12B,0.13B,0.14B	20 A	2			81 / 700	1	20 A	UH-1	6		
		7				81 / 2400						8		
		9	RFCU-1.03B,1.04B,1.05B	20 A	2		328 / 78		2	20 A	RADIANT FLOOR PUMP	10		
		11						328 / 78				12		
		13	PANEL MLOS2B	100 A	3	3260 / 100			2	20 A	BS-0.01B	14		
		15					300 / 100					16		
		17						1500 / 100				18		
		19	VAV-R JUNCTION BOX	20 A	1	1500 / 100			2	20 A	BS-1.01B	20		
		21	VAV-R JUNCTION BOX	20 A	1		1500 / 1500					22		
		23	VAV-R JUNCTION BOX	20 A	1			1500 / 1500	1	20 A	VAV-R JUNCTION BOX	24		
		25	VAV-R JUNCTION BOX	20 A	1	1500 / 1500						26		
		27	VAV-R JUNCTION BOX	20 A	1		1500 / 1500		1	20 A	VAV-R JUNCTION BOX	28		
		29	RADIANT FLOOR PUMP	20 A	1			0 / 1500				30		
		31	PANEL MLOS4B	100 A	3	5360 / 180			1	20 A	VMF MONITORING SYSTEM	32		
		33					5700 / 2400					34		
		35						5392 / 0				36		
-	-	37	SPARE	20 A	1	0 / 0			1	20 A	SPARE	38	-	-
-	-	39	SPARE	20 A	1		0 / 0					40	-	-
		41	SPARE	20 A	1			0 / 0	1	20 A	SPARE	42		

531
RFI

531
RFI

100
A

BALA
ENGINEERS

PHYSICAL DESIGN DESIGN ENGINEER
ARCHITECTURAL DESIGNER
MECHANICAL DESIGNER

BALA ENGINEERS INC.
2000 WILSON AVENUE
SUITE 200
CAMBRIDGE, MA 02139
TEL: 617.492.2200
WWW.BALAE.COM

REF.DWG E10.2.8 RFI 531

Arlington High School

PANEL SCHEDULES PART B

HMFH ARCHITECTS

HMFH

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

DATE: 11/03/21 DRAWN: QAA CHECKED: KRJ

SCALE:

Panelboard: MLOS4B

Location:

Supply From: MLOS1B

Mounting: Surface

Enclosure: Type 1

Distribution System: 120/208 Wye

Phases: 3

Wires: 4

Modifications:

A.I.C. Rating: 10kAIC

Mains Type: MCB

Mains Rating: 100 A

MCB Rating: 100

531

RFI

Notes	Wiring	Ckt. No.	Load Description	Trip	Poles	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Trip	Load Description	Ckt. No.	Wiring	Notes
--	--	1	SPARE	20 A	1	0 / 0			1	20 A	SPARE	2	--	--
		3	LEAK DETECTION	20 A	1		200 / 1500		1	20 A	VAV-R JUNCTION BOX	4		
		5	ERU-2	20 A	1			500 / 1392	1	20 A	CUH-7	6		
		7	VAV-R JUNCTION BOX	20 A	1	1500 / 500			1	20 A	HRU-1	8		
		9	HRU-2	20 A	1		500 / 1500		1	20 A	VAV-R JUNCTION BOX	10		
		11	HRU-3	20 A	1			500 / 1500	1	20 A	VAV-R JUNCTION BOX	12		
		13	VAV-R JUNCTION BOX	20 A	1	1500 / 1500			1	20 A	VAV-R JUNCTION BOX	14		
		15	VAV-R JUNCTION BOX	20 A	1		1500 / 500		1	20 A	ELEVATOR SHAFT VENT	16		

20

CCD

BALA
ENGINEERS
PHYSICAL DESIGN DESIGN ENGINEER
ELECTRICAL DESIGN DESIGN ENGINEER
MECHANICAL DESIGN DESIGN ENGINEER

HMFH ARCHITECTS
130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

HM
FH

Arlington High School
PANEL SCHEDULES PART B

REF.DWG E10.2.8 RFI 531

RFI 531

CCC - CR377
DRAWING NUMBER
SKE
39B
JOB NUMBER
6017442

SCALE: DATE: 11/03/21 DRAWN: OAA CHECKED: KRJ

20
CCD

531
RFI

Panelboard: MHOS1B

Location:

Supply From: MSB-OS-1B

Mounting: Surface

Enclosure: Type 1

Distribution System: 480/277 Wye

Phases: 3

Wires: 4

Modifications:

A.I.C. Rating: 22kAIC

Mains Type: MCB

Mains Rating: 400 A

MCB Rating: 400

Notes	Wiring	Ckt. No.	Load Description	Trip	Poles	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Trip	Load Description	Ckt. No.	Wiring	Notes
		1	PANEL MHOS2B	225 A	3	16620 / 27641			3	100 A	PANEL MHOS4B	2		
		3					18116 / 21523					4		
		5						16537 / 27107				6		
		7	EWH-7	30 A	3	6000 / 100			1	20 A	RECEPTACLE	8		
		9					6000 / 0					10		
		11						6000 / 1525				12		
		13	VAVr JUNCTION BOX	20 A	1	1500 / 0						14		
		15	VAVs-3-B-1	20 A	1		1500 / 5817		3	60 A	HOT WATER PUMP HWP-2	16		
		17	VAVs-1-B-1	20 A	1			1500 / 5817				18		
		19	VAVs-2-B-1	20 A	1	1500 / 5817						20		
		21	VAVs-4-B-1	20 A	1		1500 / 5817		3	60 A	HOT WATER PUMP HWP-1	22		
		23	VAVs-5-B-1	20 A	1			1500 / 5817				24		
		25				16305 / 5817						26		
		27	75 KVA TRANSFORMER	125 A	3		15200 / 0		1	20 A	SPARE	28	-	-
		29						14860 / 0	1	20 A	SPARE	30	-	-
-	-	31	SPARE	20 A	1	0 / 0			1	20 A	SPARE	32	-	-

BALA
ENGINEERS
PHYSICAL DESIGN DESIGN ENGINEER
PHYSICAL DESIGN DESIGN ENGINEER
PHYSICAL DESIGN DESIGN ENGINEER

H M F H ARCHITECTS
130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

Arlington High School
PANEL SCHEDULES PART B

REF.DWG E10.2.8 RFI 531

RFI 531

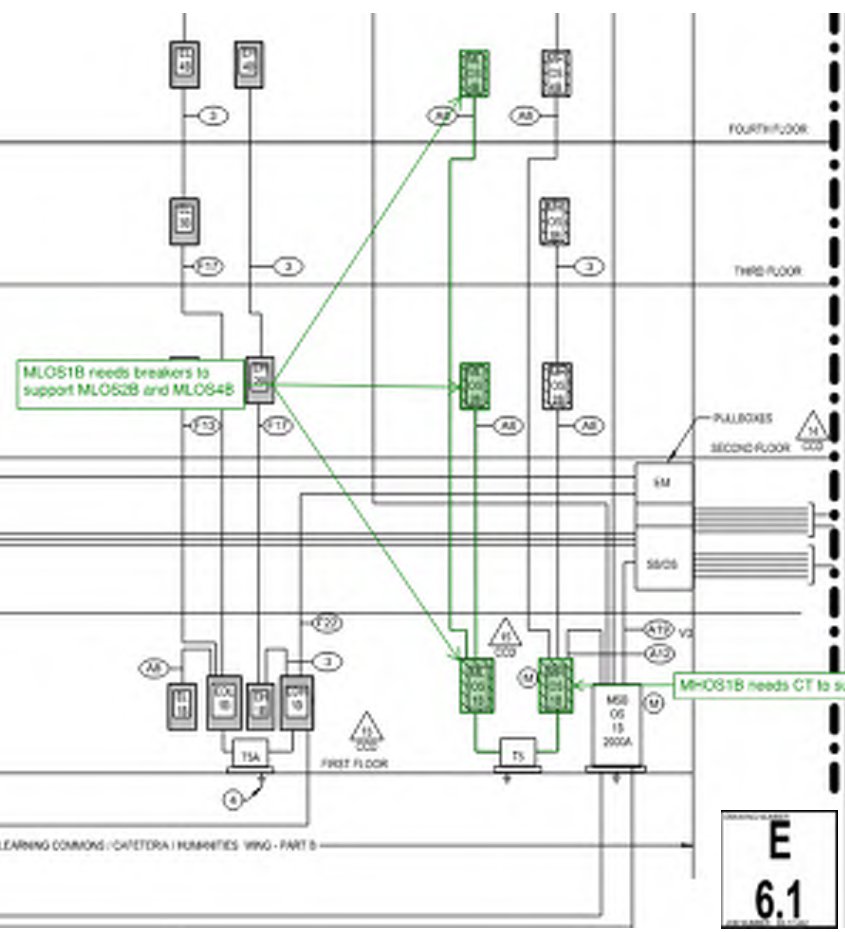
CCC - CR377
DRAWING NUMBER
SKE
39C
JOB NUMBER
6017442

SCALE:
DATE: 11/03/21
DRAWN: OAA
CHECKED: KR0



REQUEST FOR INFORMATION

Signed: _____ **Date:** _____



Panelboard: MLOS1B

MLOS1B needs breakers to support MLOS2B and MLOS4B

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Distribution System: 120/208 Wye
Phases: 3
Wires: 4
Modifications:

A.I.C. Rating: 10kAIC
Main Type: MCB
Main Rating: 100
MCB Rating: 100

CCC CR377

Notes	Wiring	Ckt. No.	Load Description	Trip	Poles	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Trip	Load Description	Ckt. No.	Wiring	Notes														
		1	RFCU-1.010.0.020.0.030.0.040	20 A	2	100 / 100	100 / 100		2	20 A	RFCU-0.050.0.060.0.100 & FCU-1.110	2																
		2										4																
		3										6																
		4	RFCU-1.050.0.130.0.140	20 A	2	85 / 2400		85 / 700	1	20 A	251	10																
		5										12																
		6										14																
		7	RFCU-1.055.1.045.1.055	20 A	2		328 / 78	328 / 78	2	20 A	RFCU-1.055.1.075.1.085	12																
		8										14																
		9										16																
		10										18																
		11										20																
		12	PANEL MLOS2B	20 A	3	3280 / 100	300 / 100	1500 / 100	2	20 A	BS-1 315	20																
		13										22																
		14										24																
		15										26																
		16										28																
		17	WATER JUNCTION BOX	20 A	1	1500 / 100	1500 / 1500	1500 / 1500	1	20 A	WATER JUNCTION BOX	22																
		18	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	24																
		19	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	26																
		20	WATER JUNCTION BOX	20 A	1	1500 / 1500				20 A	WATER JUNCTION BOX	28																
		21	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	30																
		22	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	32																
		23	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	34																
		24	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	36																
		25	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	38																
		26	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	40																
		27	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	42																
		28	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	44																
		29	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	46																
		30	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	48																
		31	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	50																
		32	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	52																
		33	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	54																
		34	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	56																
		35	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	58																
		36	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	60																
		37	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	62																
		38	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	64																
		39	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	66																
		40	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	68																
		41	WATER JUNCTION BOX	20 A	1					20 A	WATER JUNCTION BOX	70																
			Load Per...			5617 VA	2094 VA	7150 VA																				
Load Classification	Wiring	Connected...	Demand...	Est. Demand		Panel Totals																						
Wiring		7618 VA		75.00%		TOTAL CONNECTED LOAD ESTIMATED																						
EQUIPMENT		18500 VA		50.00%		TOTAL ESTIMATED DEMAND																						
Cooling		300 VA		75.00%		TOTAL ESTIMATED DEMAND CURRENT																						
MLOS																												



WAYNE J.
GRIFFIN ELECTRIC
INC.

March 18, 2022

VIA EMAIL ONLY: cweber@consigli.com

Mr. Chris Weber, Project Manager
Consigli Construction Company, Inc.
72 Sumner Street
Milford, MA 01757

RE: Job #2698 - Arlington High School, Arlington, MA
Proposal #128

Dear Mr. Weber:

Wayne J. Griffin Electric, Inc. ("WJGE") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

As reflected under the response to RFI-531, revise Panel MLOS1B from 100-amp to 225-amp, and provide supplemental circuit breaker revisions as noted.

Total \$ 4,449.90

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us. The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Corporate Headquarters:

116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:

296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

1950 Evergreen Boulevard
Suite 300
Duluth, GA 30096
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (508) 306-5313 or wpease@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Wayne A. Pease
Senior Project Manager

WP/kab

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: John LaMarre, Senior Project Manager, Consigli Construction Company, Inc.,
JLaMarre@consigli.com
Jeremiah Kimball, Project Foreman, Wayne J. Griffin Electric, Inc.



CCN#: P-0128, RFI-531 Service Revisions
Date: 3/17/2022
Project Name: Arlington High School
Project Number: 02698-00-20
Page Number: 1

116 Hopping Brook Road, Holliston, MA 01746
 (508) 429-8830 FAX (508) 429-9251

Work Description

As reflected under the response to RFI-531, revise Panel MLOS1B from 100 amp to 225 amp and provide supplemental circuit breaker revisions as noted.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
Field Layout/Coordination	0.00	0.0000	HRS	0.000	0.000	0.130
Phase Totals				0.00		0.13
Panel MHOS1B - 125A/3P Breaker	1.00	933.0000	E	933.000	0.000	0.000
Panel MHOS1B - 100A to 225A/3P Breaker	1.00	652.0000	E	652.000	0.000	0.000
Panel MLOS1B - 100 Amp Panel	-1.00	2,275.0000	E	-2,275.000	5.500	-5.500
Panel MLOS1B - 225 Amp Panel	1.00	3,825.0000	E	3,825.000	8.000	8.000
Panel MLOS1B - 100A/3P Breaker	2.00	565.0000	E	1,130.000	0.000	0.000
Panel MLOS1B - 20A/3P Breaker	-1.00	565.0000	E	-565.000	0.000	0.000
Phase Totals				3,700.00		2.50
Totals				3,700.00		2.63
Tax				0.00		
Materials with Tax				3,700.00		

Summary

	Itemized Breakdown Total		3,700.00	✓
Electrical Journeyman	(2.6300 hrs @ \$93.84 / hr)	246.80		
			246.80	✓
Labor Burden	(\$246.80 @ 30.00%)	74.04		
		74.04		✓
Overhead & Profit	(\$4,020.84 @ 10.00%)	402.08		
		402.08		✓
Bond	(\$4,422.92 @ 0.61%)	26.98		
		26.98		✓
			503.10	✓
Total			\$4,449.90	✓

Project: 2153 - Arlington High School
869 Massachusetts Avenue
Arlington, Massachusetts 02476



Missing Electrical Circuitry for Panelboards (Building B) (WJGEI RFI #54)

TO:	Stephanie MacNeil (HMFH Architects) Arthur Duffy (HMFH Architects)	FROM:	Kevin Samya (Consigli Construction Co., Inc.) 72 Sumner Street Milford, Massachusetts 01757
DATE INITIATED:	10/07/2021	STATUS:	Open
LOCATION:	Arlington High School>Building B (Phase 2)	DUE DATE:	10/12/2021
COST CODE:		REFERENCE:	WJGEI RFI #54
COST IMPACT:	TBD	SCHEDULE IMPACT:	TBD
DRAWING NUMBER:	E6.1, E10.2.8	SPEC SECTION:	260000 - Electrical
RECEIVED FROM:	George Gray (Wayne J. Griffin Electric Inc.)		

COPIES TO:

CA Bala (Bala Consulting Engineers), Gil Casters (Bala), Victoria Clifford (Skanska USA Inc.), Greg Cmar (Interval Data Systems), Patrick Condon (Consigli Construction Co., Inc.), Ken Davis (Bala Consulting Engineers), Tom DeRosa (Consigli Construction Co., Inc.), David Dockendorf (Consigli Construction Co., Inc.), Arthur Duffy (HMFH Architects), Jim Fikiet (Skanska USA Inc.), Ryan Flynn (Bala Consulting Engineers), Vianely Franco (HMFH Architects), Kevin Fuller (Interval Data Systems), Mike Gagne (Interval Data Systems), Bill Gnerre (Interval Data Systems), George Hines (Bala Consulting Engineers), John LaMarre (Consigli Construction Co., Inc.), William Lentz (Bala Consulting Engineers), Stephanie MacNeil (HMFH Architects), Scott Martino (Consigli Construction Co., Inc.), Chuck McWilliams (Consigli Construction Co., Inc.), Reid Mullett (Rist-Frost-Shumway Engineering (RFS)), Sy Nguyen (Skanska USA Inc.), Fran Patnode (Rist-Frost-Shumway Engineering (RFS)), Hal Raymond (Skanska USA Inc.), Richard Rivera (Bala Consulting Engineers), Kevin Samya (Consigli Construction Co., Inc.), Mason Saunders (Consigli Construction Co., Inc.), Vikram Singh (Consigli Construction Co., Inc.), Chris Weber (Consigli Construction Co., Inc.)

Question from Kevin Samya (Consigli Construction Co., Inc.) at 01:46 PM on 10/07/2021

Please reference the attached WJGEI RFI #54. Please reference Electrical Drawings E6.1 and E10.2.8.

Electrical Riser Diagram for Building B Panelboards MHOS1B, MLOS1B, MLOS2B, and MLOS4B do not appear to electrically support each other with proper feeder breakouts and distribution. Please provide required circuitry for the following.

- Panelboard MHOS1B needs CB to support T5
- Panelboard MLOS1B needs breakers to support MLOS2B and MLOS4B

Please provide sketches for the intended design.

Attachments:

[RFI #531 - Missing Electrical Circuitry for Panelboards \(Building B\) \(WJGEI RFI #54\).pdf](#)

Awaiting an Official Response

All Replies:

- Per dry-type transformer schedule on sheet E6.1, provide 125A/3-pole circuit breaker in panel MHOS1B for transformer T5
- Increase panel MLOS1B to 225A, with a 225A MCB. Provide provide a 100A circuit breaker in panel MLOS1B to feed panel MLOS4B and replace the 20A/3-pole circuit breaker in MLOS1B shown feeding MLOS2B with a 100A/3-pole circuit breaker.

Refer to sketches SKE-039A,B,C

KRD

BY

11/1/2021

DATE

COPIES TO

Panelboard: MLOS1B														
Location: Distribution System: 120/208 WYE														
Supply From: Phases: 3														
Mounting: Surface Wires: 4														
Enclosure: Type 1														
Modifications:														
A.L.C. Rating: 10KAIC														
Mains Type: MCB														
Mains Rating: 225 A														
MCB Rating: 225 A														
Notes	Wiring	Ckt. No.	Load Description	Tripp	Poles	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Tripp	Load Description	Ckt. No.	Wiring	Notes
		1	REFCU-0.078,0.028,0.038,0.048	20 A	2	108 / 108	108 / 108		2	20 A	REFCU-0.058,0.088,0.108 & FCU-0.118	2		
		3										4		
		5	REFCU-0.128,0.138,0.148	20 A	2	81 / 2400		81 / 700	1	20 A	UH-1	6		
		7										8		
		9	REFCU-1.088,1.048,1.058	20 A	2		328 / 78		2	20 A	REFCU-1.088,1.078,1.088	12		
		11										14		
		13				3280 / 100			2	20 A	BS-2.018	16		
		15	PANEL MLOS2B	100 A	3		300 / 100	1500 / 100	2	20 A	BS-1.018	18		
		17										20		
		19	WAV-R JUNCTION BOX	20 A	1	1500 / 100			1	20 A	WAV-R JUNCTION BOX	22		
		21	WAV-R JUNCTION BOX	20 A	1		1500 / 1500		1	20 A	WAV-R JUNCTION BOX	24		
		23	WAV-R JUNCTION BOX	20 A	1			1500 / 1500	1	20 A	WAV-R JUNCTION BOX	26		
		25	WAV-R JUNCTION BOX	20 A	1	1500 / 1500			1	20 A	WAV-R JUNCTION BOX	28		
		27	WAV-R JUNCTION BOX	20 A	1		1500 / 1500		1	20 A	WAV-R JUNCTION BOX	30		
		29	RADIANT FLOOR PUMP	20 A	1			0 / 1500	1	20 A	WAV-R JUNCTION BOX	32		
		31				5380 / 180			1	20 A	WAV-R JUNCTION BOX	34		
		33	PANEL MLOS4B	100 A	3		5700 / 2400		1	20 A	HEATING PANEL	36		
		35						5392 / 0	1	20 A	SPARE	38		
		37	SPARE	20 A	1	0 / 0			1	20 A	SPARE	40		
		39	SPARE	20 A	1				1	20 A	SPARE	42		
		41	SPARE	20 A	1			0 / 0	1	20 A	SPARE	44		

ALL DRAWINGS AND SPECIFICATIONS
SHALL BE IN ACCORDANCE WITH
THE LATEST EDITIONS OF THE
NATIONAL ELECTRICAL CODE (NEC)
AND THE NATIONAL FIRE PROTECTION
ASSOCIATION (NFPA) 70B.

BALA
ENGINEERS
1000 ROUTE 1A, SUITE 100
BOSTON, MA 02118
(617) 452-2200
www.bala-engineers.com

REF.DWG E10.2.8 RFI 531

RFI 531

HMFH ARCHITECTS

Arlington High School

PANEL SCHEDULES PART B

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHArch hmfh.com

HM
FH

SCALE: DATE: 11/03/21 DRAWN: DAA CHECKED: KRC

DRAWING NUMBER

SKE
39A

JOB NUMBER 5017441

Panelboard: MLOS4B

Location:
Supply From: MLOS1B
Mounting: Surface
Enclosure: Type 1

Distribution System: 120/208 Wye
Phases: 3
Wires: 4

A.L.C. Rating: 10KAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100

Notes	Wiring	Ckt. No.	Load Description	Tripp	Poles	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Tripp	Load Description	Ckt. No.	Wiring	Notes
		1	SPARE	20 A	1	0 / 0	200 / 1500		1	20 A	SPARE	2		
		3	LEAK DETECTION	20 A	1				1	20 A	VAV-R JUNCTION BOX	4		
		5	ERL-2	20 A	1			500 / 1392	1	20 A	ERL-7	6		
		7	VAV-R JUNCTION BOX	20 A	1	1500 / 500	500 / 1500		1	20 A	VAV-R JUNCTION BOX	8		
		9	HRU-2	20 A	1			500 / 1500	1	20 A	VAV-R JUNCTION BOX	10		
		11	HRU-3	20 A	1			500 / 1500	1	20 A	VAV-R JUNCTION BOX	12		
		13	VAV-R JUNCTION BOX	20 A	1	1500 / 1500			1	20 A	VAV-R JUNCTION BOX	14		
		15	VAV-R JUNCTION BOX	20 A	1		1500 / 500		1	20 A	ELEVATOR SHAFT VENT	16		

REGISTERED PROFESSIONAL
ENGINEER
MASSACHUSETTS
LICENSE NO. 021133
DATE: 01/03/21

BALA
ENGINEERS
ARCHITECTS
PLANNERS
130 BISHOP ATLEN DRIVE
CAMBRIDGE, MA 02139
617.492.2200
@HMFHarch hmfh.com

REF.DWG E10.2.8 RFI 531

RFI 531

HMFH ARCHITECTS

Arlington High School
PANEL SCHEDULES PART B

130 Bishop Atten Drive
Cambridge, MA 02139
617.492.2200
@HMFHarch hmfh.com

HM
FH

SCALE: DATE: 11/03/21 DRAWN: OVA CHECKED: XBO

DRAWING NUMBER

SKE
39B

JOB NUMBER 6017412

Panelboard: MHOS1B

Location:

Supply From: MSB-OS-1B

Mounting: Surface

Enclosure: Type 1

Distribution System: 480/277 V/ø

Phases: 3

Wires: 4

Modifications:

A.I.C. Rating: 22kAIC

Mains Type: MCB

Mains Rating: 400 A

MCB Rating: 400

Notes	Wiring	Ckt. No.	Load Description	Trip	Poles	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Trip	Load Description	Ckt. No.	Wiring	Notes
		1	PANEL MHOS2B	225 A	3	16620 / 27641	18116 / 21523	16637 / 27107	3	100 A	PANEL MHOS4B	2		
		3				6000 / 100	6000 / 0	6000 / 1525	1	20 A	RECEPTACLE	4		
		5										6		
		7										8		
		9	EMH-7	30 A	3							10		
		11										12		
		13	VAV-JUNCTION BOX	20 A	1	1500 / 0	1500 / 5817	1500 / 5817	1	20 A	FCL 1-S-0	14		
		15	VAVS-3-B-1	20 A	1							16		
		17	VAVS-1-B-1	20 A	1							18		
		19	VAVS-2-B-1	20 A	1	1500 / 5817	1500 / 5817	1500 / 5817	3	60 A	HOT WATER PUMP HWP-2	20		
		21	VAVS-4-B-1	20 A	1							22		
		23	VAVS-5-B-1	20 A	1	16305 / 5817	1500 / 5817	1500 / 5817	3	60 A	HOT WATER PUMP HWP-1	24		
		25										26		
		27	75 KVA TRANSFORMER	125 A	3		15200 / 0	14860 / 0	1	20 A	SPARE	28		
		29										30		
		31	SPACE	20 A	1	0 / 0			1	20 A	SPACE	32		

BALA
ENGINEERS1000 BROADWAY, SUITE 1000
NEW YORK, NY 10003
212.691.1000
www.bala-engineers.com

REF.DWG E10.2.8 RFI 531

RFI 531

HMFH ARCHITECTS**Arlington High School**

PANEL SCHEDULES PART B

130 Bishop Allen Drive
Cambridge, MA 02139
617.492.2200
@HMFHArch hmfh.com**HM
FH**

SCALE: DATE: 11/02/21 DRAWN: QAA CHECKED: KPC

DRAWING NUMBER

**SKE
39C**

FOR NUMBER 6017442

**WAYNE J.
GRIFFIN ELECTRIC
INC.****REQUEST FOR INFORMATION**

This is a request for information / clarification to resolve any questions in plans and specifications. Any changes to the contract as a result of the answer to the question below will be addressed under separate cover.

Request For Information No. 54Date: 10/7/2021

To: Consigli Construction Company, Inc.
72 Sumner Street
Milford, MA 01757

Job #: 2698

Attn.: Kevin Samya, Ast. MEP Manager
Title

Project: Arlington High School, Arlington, MAReference: Drawing E6.1 and E10.2.8

Question: Electrical riser for panels MHOS1B, MLOS1B, MLOS2B and MLOS4B do not
appear to electrically support each other with proper feeder breakers and distribution.
Panel MHOS1B needs CB to support T5, MLOS1B needs breakers to support MLOS2B and
MLOS4B.
Please confirm.

Signed: George Gray Date: 10/7/2021Please provide an answer by 10/14/2021 to minimize the impact to our work.Attachments: Yes: No: X Copy:

Answer: _____

Signed: _____ Date: _____



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR385
Date: 3/24/22
Job: 2153 Arlington High School
Phone:

Description: Revised Curtainwall Clips due to change in bearing location & ASI-143

We offer the following specifications and pricing to make the changes as described below:

Reference ASI 143 at CW49. Also other locations as discussed

Locations: CW08A, CW45, CW46, CW49, CW52, CW52-1

Included are the structural calculations by Larson.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
R&R Window COR #101 dated 10/14/21 for revised sill anchor location design/engineering and material. Locations: CW08A, CW45, CW46, CW49, CW52, CW52-1	8-520				\$10,816.83		\$10,816.83
						Subtotal:	\$10,816.83
				Bond (.75%)	\$10,816.83		\$81.13
				General Liability (1.2%)	\$10,816.83		\$129.80
				Subguard (1.4%)	\$10,816.83		\$151.44
				OH&P (5% subs, 10% self perform)	\$11,179.20		\$558.96
						Total:	\$11,738.16

☐ SCHEDULE IMPACT

☐ We have proceeded with this change to achieve schedule.

☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR

72 Sumner Street

Milford, MA 01757

OWNER

(Signature)

Arthur Duffy

By

04/06/2022

Date

(Signature)

David Dockendorf

David Dockendorf

By

03/24/2022

Date

(Signature)

Jim Burrows

By

4/12/2022

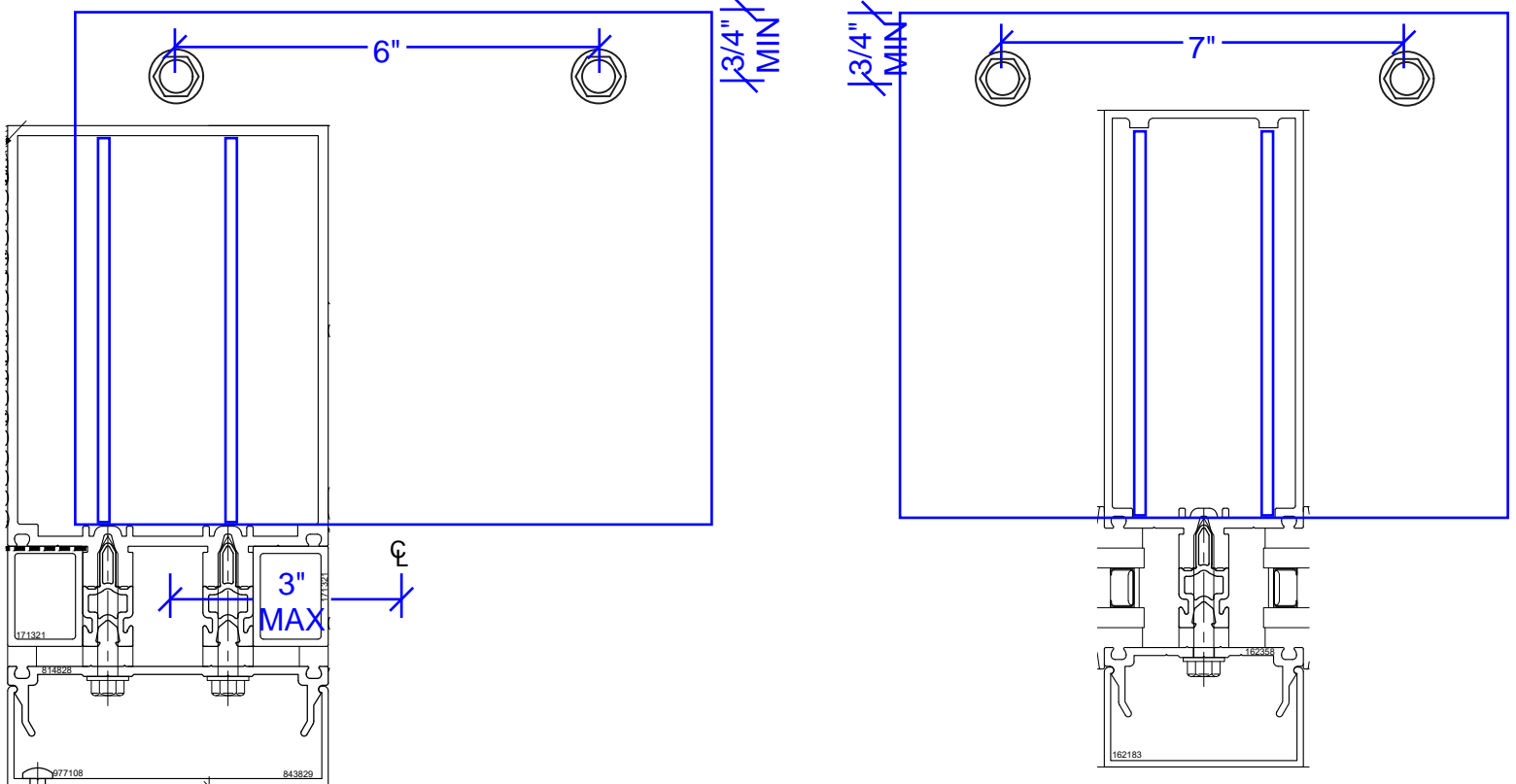
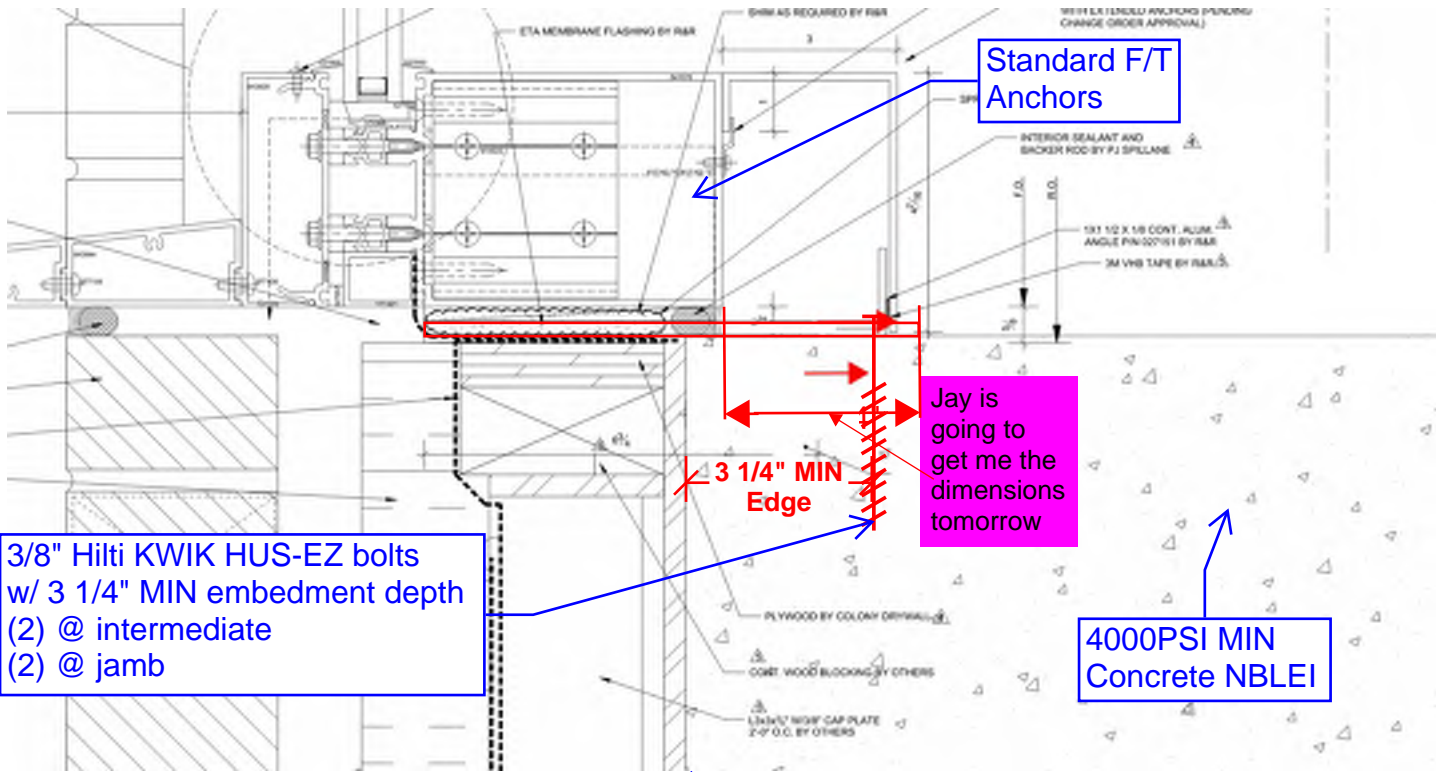
Date

Consigli Construction Co., Inc.

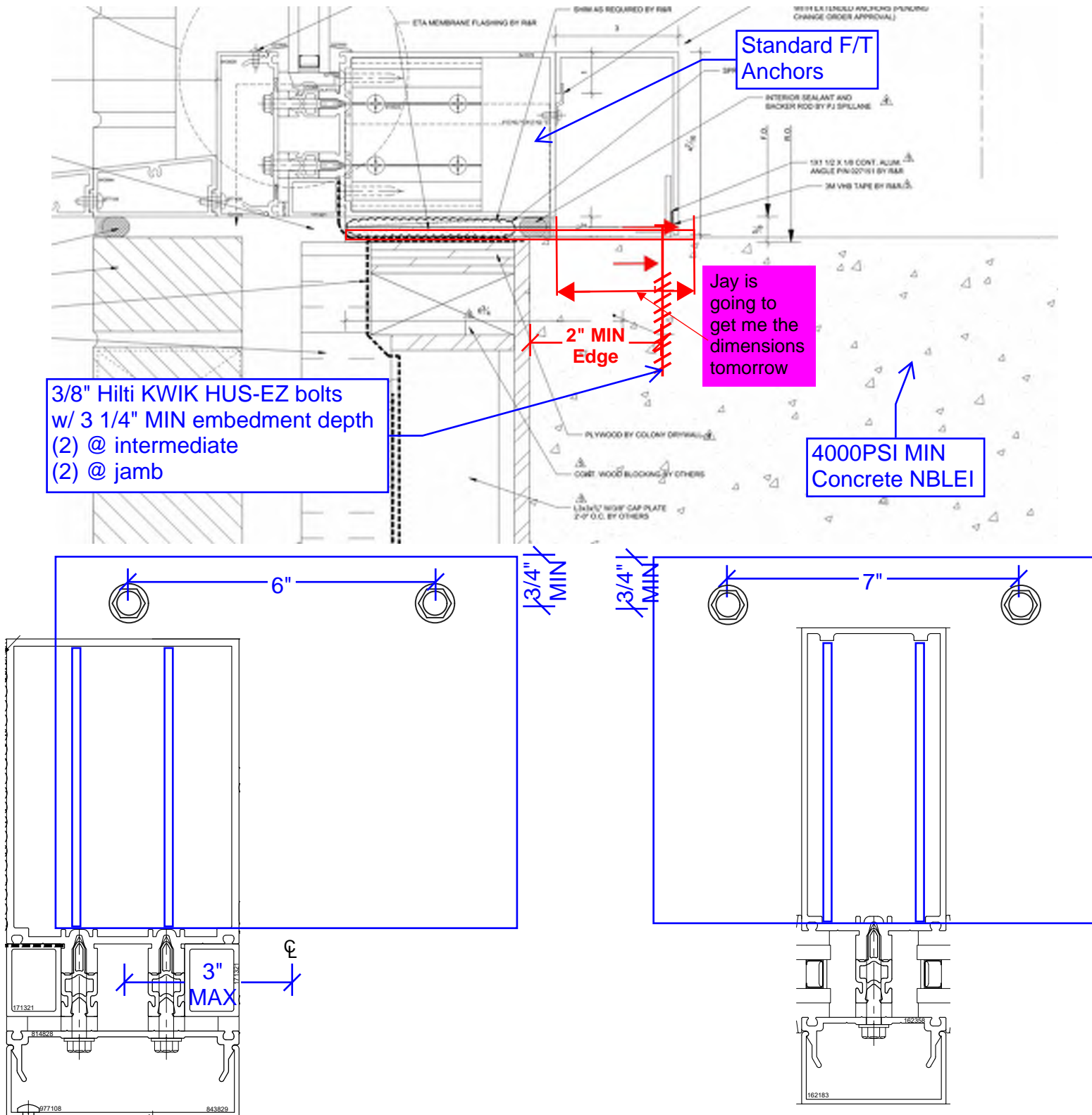
Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
Hartford CT • Portland ME • Milford MA

CW45 Sill Anchor Revision:



CW08A & CW46 Sill Anchor Revision:





R&R WINDOW CONTRACTORS, INC.

Main Office:
One Arthur Street
Easthampton, MA 01027
Phone: (413) 527-7500
Fax: (413) 527-0289
www.rrwindow.com
AA/EEO CTR GLZ.0001293-FGI

CHANGE ORDER REQUEST

BILL

TO: Consigli Construction Co.
72 Sumner Street
Milford MA 01757

WORK Arlington High School - MA
DONE 869 Massachusetts Avenue
AT: Arlington, MA 01773

CUST# 10775

JOB NO.	CUST ORDER#	TERMS	REQUEST NUMBER	DATE
T20038-101			101	10/14/21

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
Any Materials included in the below pricing will be ordered upon R & R's receipt and acceptance of a written official change order.			
	Kawneer extrusions	10/14/21	6,652.00
	LARSON CALCULATION FEE	10/14/21	1,200.00
8.00	R&R drafting time	W/E 10/14/21 50.00	400.00
32.00	R&R Shop fabrication time	W/E 10/14/21 55.00	1,760.00
			<u>10,012.00</u>
	OVERHEAD		<u>392.60</u>
			<u>10,404.60</u>
	PROFIT		<u>412.23</u>
	SUBTOTAL		10,816.83
	C/O REQUEST TOTAL		\$10,816.83

When applicable, tax is
included in the above price



Larson

ADDITIONAL SERVICES PROPOSAL

October 13, 2021

Mr. Justin Provencal
R&R Window Contractor, Inc.
One Arthur Street
Easthampton, MA 01027

PHONE: (413) 527-7500

FAX: (413) 527-0289

Dear Mr. Provencal:

Larson Engineering, Inc. (LEI), acting as an independent contractor to the Client addressed above, respectfully submits the following **Proposal for Additional Engineering Services**.

PROJECT

Arlington High School
CW08A, CW45, CW46 & CW49, CW52, CW52-1 Sill Anchor Revisions
869 Massachusetts Ave
Arlington, MA

LEI Project No.: 27200020.003

SCOPE OF ADDITIONAL ENGINEERING SERVICES

✓ **CW08A, CW45, CW46 Sill & CW49, CW52, CW52-1 Sill Anchor Revisions**

LEI's Scope of Additional Engineering Services (Additional Service) is limited to revisions to calculations for CW08A, CW45, and CW46 sill anchors as well as CW49, CW52, and CW52-1 sill anchors after original signed and sealed calculations were submitted on 3/25/2021.

FEES

We propose to perform the Additional Service described herein for a lump sum fee of **ONE THOUSAND TWO HUNDRED AND NO/100 DOLLARS (\$1,200.⁰⁰)** with the following breakout.

- ✓
- CW08A, CW45, and CW46 sill anchor revisions: **\$600.⁰⁰**
 - CW49, CW52, and CW52-1 sill anchor revisions: **\$600.⁰⁰**

TERMS AND CONDITIONS

Terms and Conditions of this Agreement shall be in accordance with our primary agreement executed February 24, 2021.


An Agreement with LEI may be initiated by completion, with signature, of the acceptance block and return of one copy of this Proposal to LEI. Per your verbal authorization, Additional Service

October 13, 2021


Mr. Justin Provencal
R&R Window Contractor, Inc.

has begun and will continue in accordance with our primary agreement unless prompt, written notice, directing otherwise, is received from your office.

SUBMITTED



Jake R. Palatine, P.E.



Melissa A. Gradecki

ACCEPTANCE

To accept this Proposal as written, please execute by signing below and return a copy to LEI for countersigning by LEI. A fully executed copy will be returned to Client.

This Proposal shall become an Agreement only after execution by both parties.

By execution with signature below, signatory indicates that they have read, understood, and agree with the terms of this Proposal in its entirety and have the authority to enter into this Agreement on behalf of Client. By execution of this Agreement, Client agrees to compensate LEI for all Additional Services performed in accordance with this Agreement, whether or not Client's client has formally agreed to the Additional Services above.

Company: _____
Signature: _____
Name (Print): _____
Title: _____
Date: _____
Client Proj. #: _____

Larson Engineering, Inc.
Signature: _____
Name (Print): Melissa A. Gradecki
Title: Curtain Wall Department Head
Date: _____

JRP:ng



Material Proposal

Estimator: **Chantz Gillispie**

Phone:

Fax:

E-mail: chantz.gillispie@arconic.com

Sales Rep: **John Boccuzzi**

Phone: **860-416-7130**

E-mail: john.boccuzzi@arconic.com

Job Name: **Arlington**

Job Number: **1025282E-002**

Date Sent: **10/01/2021**

R & R WINDOW CONTRACTORS INC

ONE ARTHUR STREET
EASTHAMPTON, MA, 01027

Attention: **George Hadjiysky**

Phone: 413 527-7500

Fax: 413 527-0289

Cust #: **7158**

Cust Email: ghadjiysky@rrwindow.com

This Material Proposal is based on:

This Material Proposal includes:

DOES NOT INCLUDE RECYCLED CONTENT BILLET

Item Description:			
1. Qualifications			

Item Description:			
2. F & T Anchor			

Add on Items

Qty	Code	Finish	Size	Description
10	162033	10 Mill finish	289	T ANCHOR
10	162034	10 Mill finish	289	F ANCHOR
1	1		0	FRT

Total Base Bid:

\$USD

6,652.00

Terms and Conditions

Note, the prices contained in this estimate are valid for 30 days, and if accepted, are still subject to an inflation add if the materials are not shipped within 6 months from time of estimate.

The products on this Material Proposal are warranted for a period of 2 years

Job Name: **Arlington**
Job Number: **1025282E-002**

Acceptance of this Material Proposal includes acceptance of Kawneer's Standard Warranty and Terms and Conditions of Sale which can be found on kawneer.com or kawneerdirect.com. Any proposal for additional or different items is a material alteration of the Material Proposal, and will not be binding upon Kawneer. If you cannot locate your copy of Kawneer's catalogs Kawneer's Standard Terms and Conditions, please advise us and a copy will be forwarded promptly.

This Material Proposal is neither a contract, nor an offer.

Prices given here-in do not include taxes, if applicable, and are Net Sell Prices and are not subject to additional discount. Please include this Material Proposal number when submitting your purchase order. Thank you for your order!

KAWNEER hereby disclaims all liability for, and is not responsible or liable for, any damages or costs that may result herein from use of its products in individual single family residences.

This pricing is based on Kawneer's interpretation of the Customer's plans and specifications and/or take-off and quantities. Prior to order entry, verification of part numbers, quantities and finishes listed on the proposal is the responsibility of the Customer. Any changes in part numbers, quantities, or finishes will require a change in the quoted amount. Review of your application and anchoring of these materials, structural calculations, and shop drawings are not included in this quotation unless otherwise noted.

Kawneer offers Manufacturer's Field Installation Service for a travel fee of \$2000/day. The Manufacturer's Field Installation Service includes Kawneer's review of the installation, witness field testing, or other inspections as requested by the applicable project specifications, the customer, the owner, GC or architect. The travel fee for the Manufacturer's Field Installation Service will be an additional charge unless specifically included in this project proposal. Please note that this service does not provide Installer's Certification (by Kawneer) but a review of the product installation against Kawneer's recommended practices and installation instructions and a written report. This service does not cover custom applications not designed by Kawneer.

This quotation is based on using standard EPDM setting blocks and side blocks. If the products in this proposal are being glazed with Viracon glass, please check with a Viracon representative on compatibility with EPDM. Viracon may require the use of silicone setting and side blocks which would result in an added price and an increase in lead times."

NFRC manufacturer's label certificates, required by the IECC and ASHRAE 90.1 energy codes, are acceptable in most states and are located on KawneerDirect in the Resource Center at no charge. Third party NFRC component Modeling Approach (CMA) label certificates required by some states and local jurisdictions are available from an Approved Calculation Entity (ACE) for a fee. If the ACE fees and other costs associated with third party certification are not included in this bid proposal, please consider these additional costs in your project bid. In addition, Providing CMA label certificate requires the use of glazing panes that are in the International Glazing Database (IGDB) that have been assigned IGDB numbers. If using glazing panes that do not meet this criterion, NFRC CMA label certificates cannot be provided.

As anodizing is translucent, allowing the natural appearance of the metal to show through the coating, the finish is dependent on the aluminum composition as well as the anodizing process itself. Slight differences in the composition and anodizing process can have a significant effect on anodizing color. Given that some color variation will exist, Kawneer produces to a target color using AAMA 611 "Voluntary Specification for Anodized Architectural Aluminum" as a production guide for anodizing. This standard allows for a range of 5 DE (CMC) color difference. Each piece of anodized aluminum will be close to this target color but will not be an exact match.

If this project has a painted finish and the paint color selected is a PPG "Sunstorm" (typically designated with an 'F' at the end of the paint code), Kawneer reserves the right to substitute a Valspar equivalent.

Job Name: **Arlington**
 Job Number: **1025282E-002**

JANUARY, 2019

Kawneer - California Prop 65 Warnings

1

EC 97914-033

DISCLAIMER

Pursuant to California Proposition 65 (California H&S Code § 25249.6 et seq. and supporting regulations, including 27 C.C.R. § 25600 et seq., and specifically pursuant to 27 C.C.R. § 25600.2) some products we sell, as shown below, may result in an exposure to one or more Proposition 65 listed chemicals requiring warnings in occupational and/or consumer settings. This product listing includes the name of at least one Proposition 65 chemical used in the production of each specific product listed. Additional Proposition 65 chemicals may be disclosed in our Safety Data Sheets. It is important to understand the Proposition 65 list includes more than 800 chemicals. This disclosure should not be construed as a warranty that no other listed chemicals are present in detectable levels. If you determine that consumer exposures are possible at levels requiring warnings under Proposition 65, any warning obligations may be satisfied by providing warnings to consumers in a fashion consistent with the California Proposition 65 regulations regarding clear and reasonable warnings, effective August 30, 2018 (27 C.C.R. § 25600 et seq.). If you are not a retail seller, it is recommended you provide this information to the retail seller or to the manufacturer, wholesaler, distributor, or such other person who is able to pass along this information in the product commerce stream. For more information visit www.P65Warnings.ca.gov

Product Name	Product Use	Prop 65 Warning Statement
Painted Architectural Aluminum Extrusions	Various building materials, fabricated aluminum doors, windows, patio enclosures and curtain walls	⚠ WARNING: This product can expose you to chemicals including Chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Fluoropolymer Paints	Touch-up paints for aluminum extrusions	⚠ WARNING: This product can expose you to chemicals including Ethylbenzene which are known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Acrylic Paints	Touch-up paints for aluminum extrusions	⚠ WARNING: This product can expose you to chemicals including Ethylbenzene which are known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Thermal Break Filled Extrusions	Architectural/building materials	⚠ WARNING: This product can expose you to chemicals including Chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Fiberglass Pressure Plate, 162562, with residual styrene	Curtain Wall Pressure Plate	⚠ WARNING: This product can expose you to chemicals including Glass Wool Fibers and Styrene which are known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov
SU Series Resin - Component B	Thermal Break Resin - Part B	⚠ WARNING: This product can expose you to chemicals including Ethylene Glycol which is known to the state of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
White Bronze Hardware	Hardware	⚠ WARNING: This product can expose you to chemicals including Lead Compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Manganese Bronze Hardware	Hardware	⚠ WARNING: This product can expose you to chemicals including Lead Compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Hot Rolled Carbon Steel	Steel Reinforcing	⚠ WARNING: This product can expose you to chemicals including Lead Compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Door and Window Seals	Weather Stripping	⚠ WARNING: This product can expose you to chemicals including Carbon Black and Styrene which are known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov

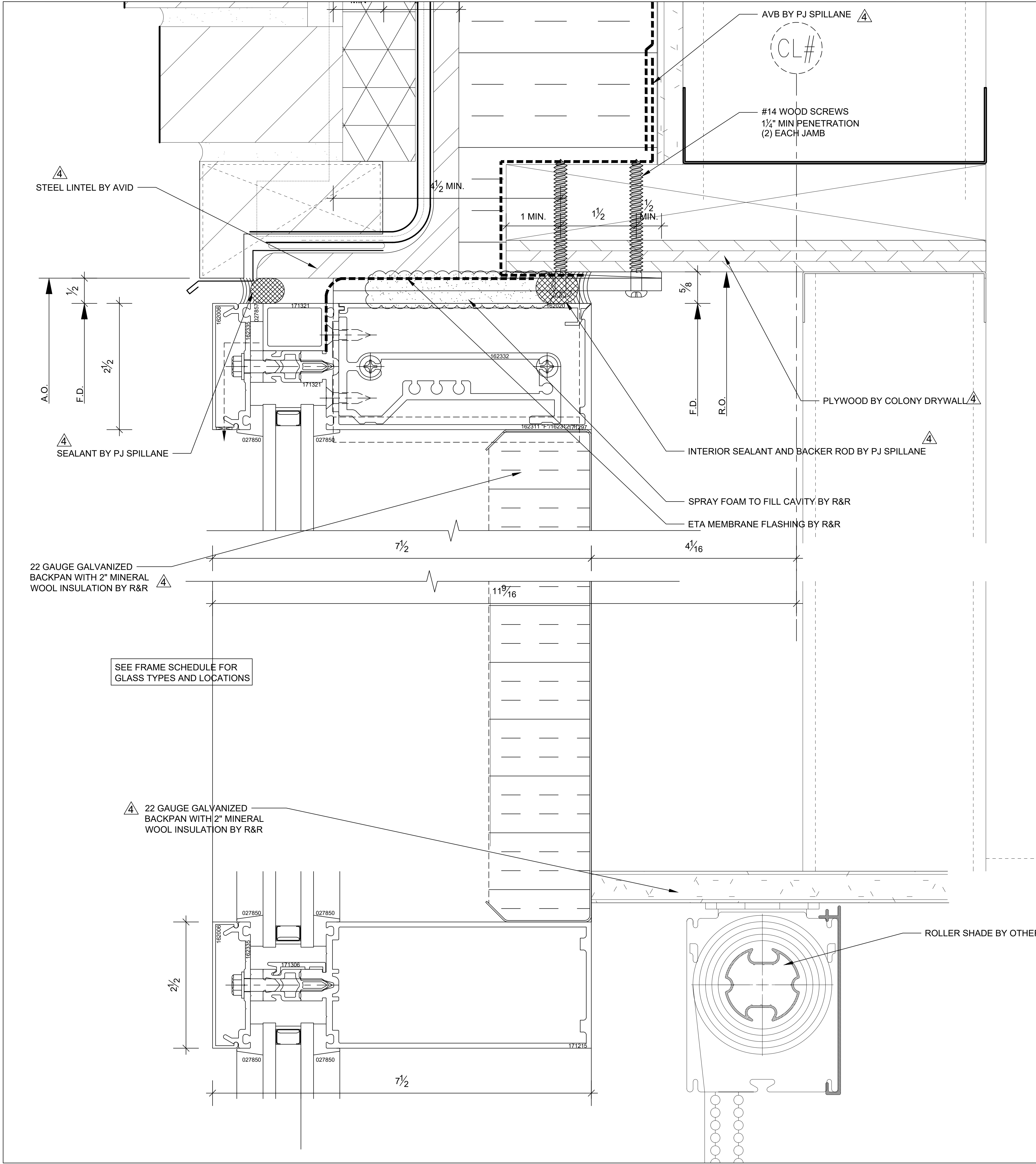
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.
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kawneer.com

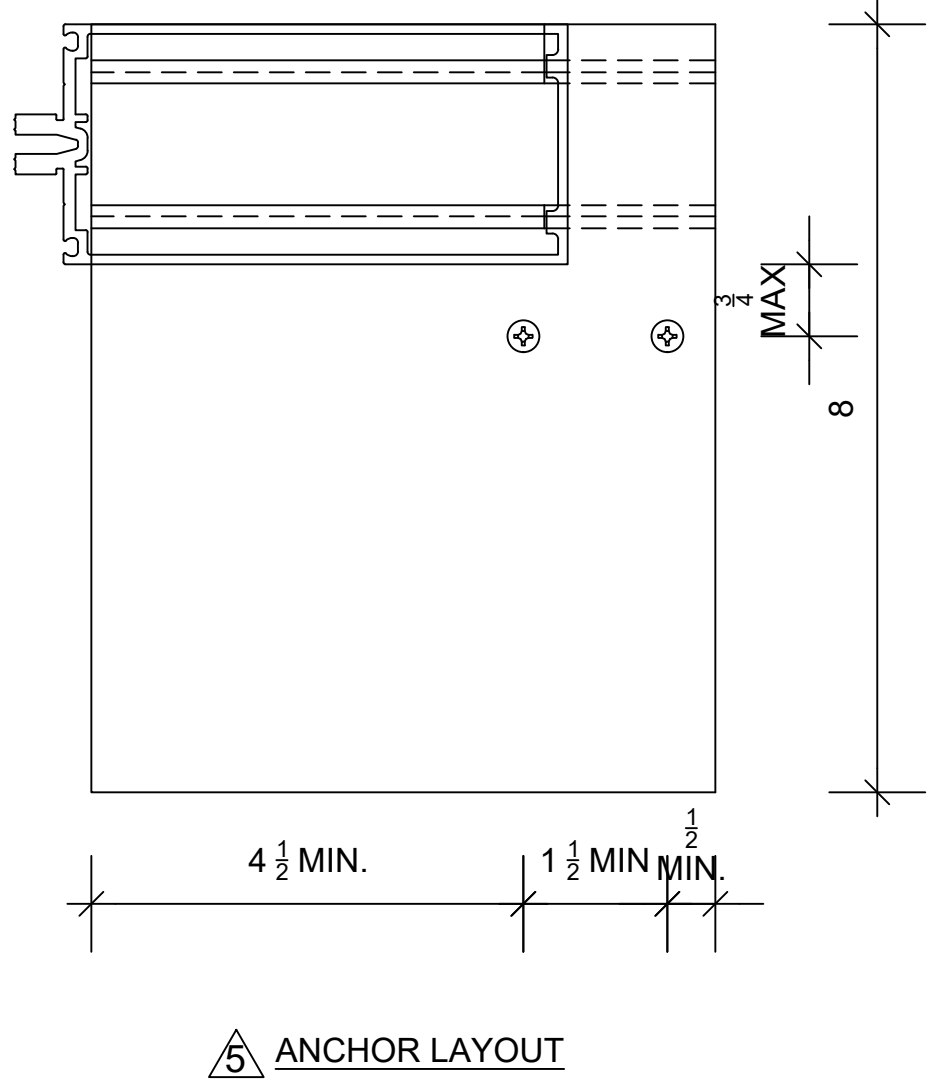
WTY201EN

KAWNEER
 AN ARCONIC COMPANY



73 HEAD DETAIL
Scale: 1"=1"
Arch.Ref.: 10/A 7.2.7
Frame Type: CW49

74 HORIZ DETAIL
Scale: 1"=1"
Arch.Ref.: 10/A 7.2.7
Frame Type: CW49



DRAWN BY: CR	DATE: 2/5/21	JOB NO.: T20038	PROJECT: ARLINGTON HIGH SCHOOL	NO	DESCRIPTION	DATE
DRAWING NAME: DETAILS			LOCATION: 869 MASSACHUSETTS AVE. ARLINGTON, MASSACHUSETTS			
			ARCHITECT: HMFH ARCHITECTS, IN., CAMBRIDGE, MASSACHUSETTS			
			OWNER: TOWN OF ARLINGTON MASSACHUSETTS	4	ARCHITECT/G.C. COMMENTS	05.20.21
SHEET NO.: 550		SCALE TO 30X24: 1"=1"	TITLE: CURTAINWALL SUBMITTAL	3	STRUCTURAL CALCULATIONS	04.12.21

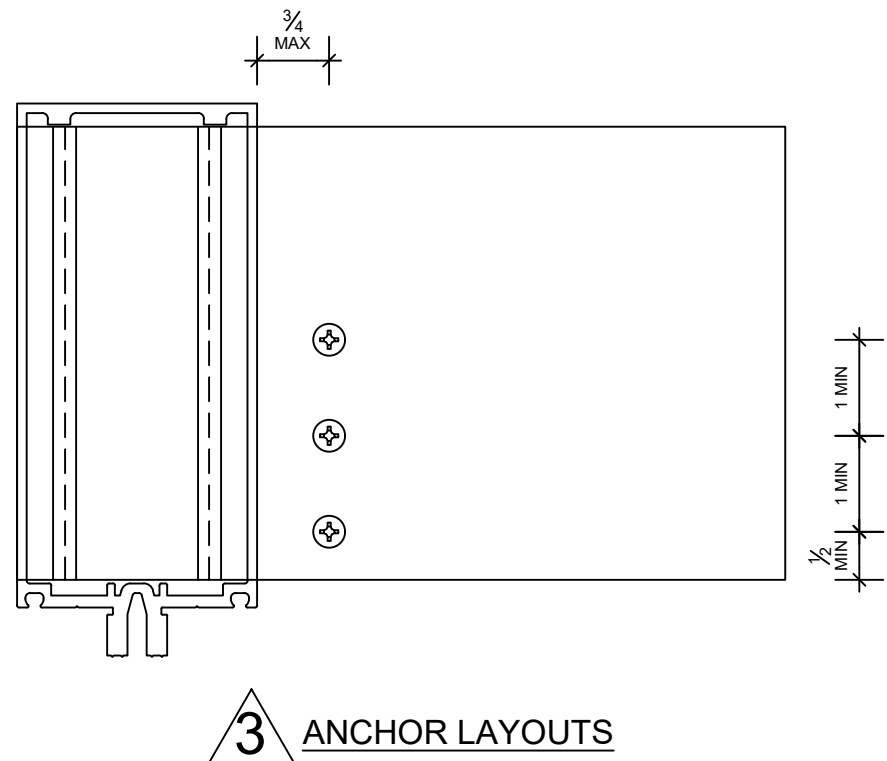
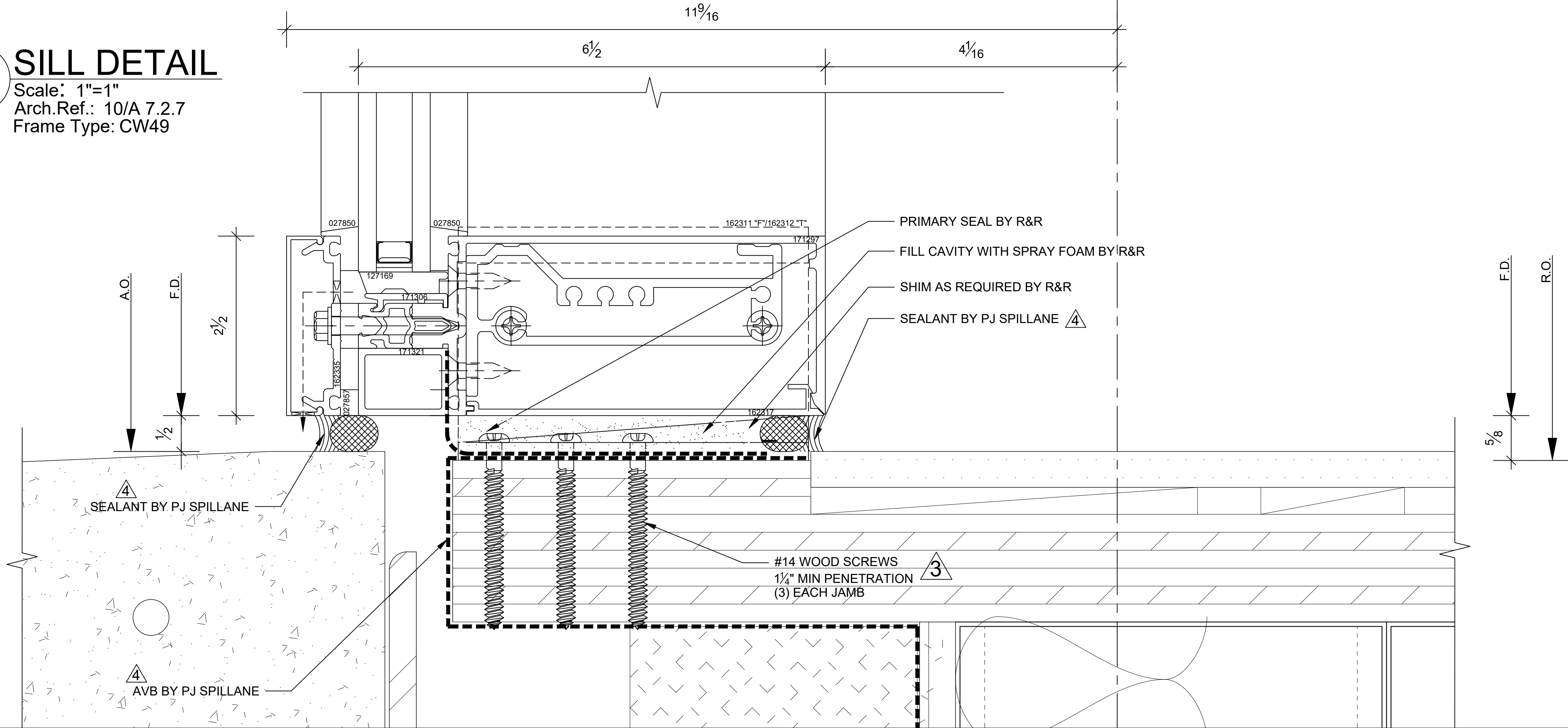


MAKING A DIFFERENCE SINCE 1978...AND IT SHOWS!

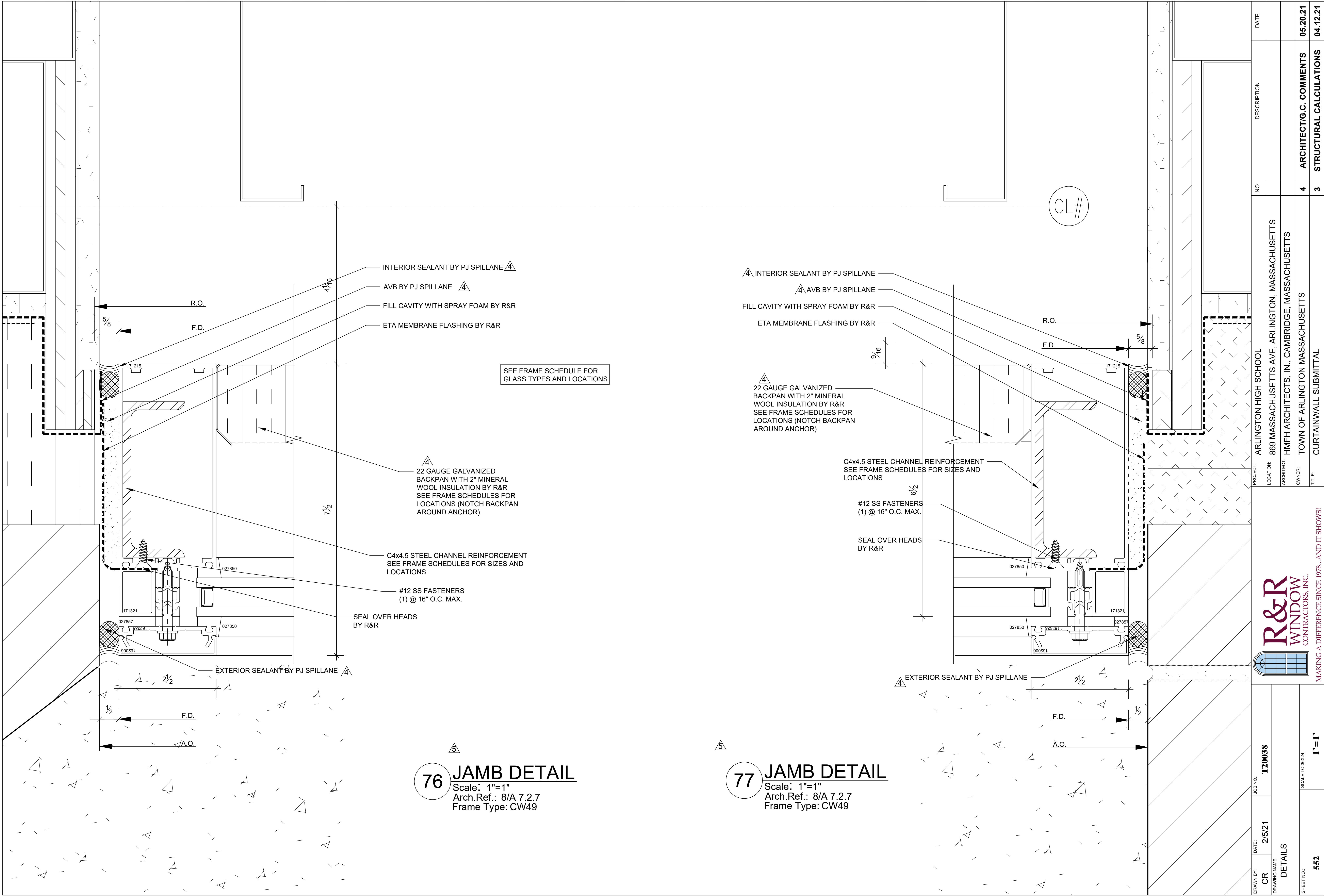
5

75

SILL DETAIL
Scale: 1"=1"
Arch.Ref.: 10/A 7.2.7
Frame Type: CW49



DRAWN BY: CR	DATE: 2/5/21	JOB NO.: T20038	PROJECT: ARLINGTON HIGH SCHOOL	NO	DESCRIPTION	DATE
DRAWING NAME: DETAILS			LOCATION: 869 MASSACHUSETTS AVE, ARLINGTON, MASSACHUSETTS			
			ARCHITECT: HMFH ARCHITECTS, IN., CAMBRIDGE, MASSACHUSETTS			
SHEET NO.: 551		SCALE TO 30x24: 1"=1"	OWNER: TOWN OF ARLINGTON MASSACHUSETTS	4	ARCHITECT/G.C. COMMENTS	05.20.21
			TITLE: CURTAINWALL SUBMITTAL	3	STRUCTURAL CALCULATIONS	04.12.21



DATE	DESCRIPTION	NO	PROJECT	LOCATION	ARCHITECT	OWNER	TITLE
			ARLINGTON HIGH SCHOOL	869 MASSACHUSETTS AVE. ARLINGTON, MASSACHUSETTS	HMFH ARCHITECTS, IN., CAMBRIDGE, MASSACHUSETTS	TOWN OF ARLINGTON MASSACHUSETTS	CURTAINWALL SUBMITTAL
05.20.21	ARCHITECT/G.C. COMMENTS	4					
04.12.21	STRUCTURAL CALCULATIONS	3					

552

DETAILS

2/5/21

CR

DRAWN BY:

1"=1"

SCALE TO 30X24:

T20038

JOB NO.:

552

DETAILS

2/5/21

CR

DRAWN BY:

1"=1"

SCALE TO 30X24:

T20038

JOB NO.:

Dockendorf, David

From: Dockendorf, David
Sent: Tuesday, September 28, 2021 8:54 AM
To: Arthur Duffy
Cc: Alan Pemstein; DeRosa, Thomas; McWilliams, Chuck; LaMarre, John
Subject: RE: CW08A frame connection to 3rd floor slab

Arthur,

We will proceed based on this direction.

We'll submit a confirming RFI capturing this design direction. Once R&R has the engineering completed and a detail is produced, we'll submit for "approval/for record".

As detail 11/A7.2.7 didn't capture this condition (also not captured in the shop drawing process), any costs to accommodate this change in connection will be added scope to R&R.

Thanks,
Dave



David Dockendorf, LEED AP, CM-Lean
Project Manager

t: 774-217-0575 | m: 774-217-0575

    consigli.com

From: Arthur Duffy <aduffy@hmfh.com>
Sent: Monday, September 27, 2021 12:30 PM
To: Dockendorf, David <ddockendorf@consigli.com>
Cc: Alan Pemstein <apemstein@hmfh.com>; DeRosa, Thomas <tderosa@consigli.com>; McWilliams, Chuck <cmcwilliams@consigli.com>; LaMarre, John <JLaMarre@consigli.com>
Subject: RE: CW08A frame connection to 3rd floor slab

5" appears it would place the interior face of the trim cover at the plane of the interior face of GWB at the jambs of the opening. That would be okay and would be the desired placement.

If it were to be proud inward of the face of GWB...that would cause concern as it's open-end would be exposed (perhaps could have a slight buffer to be proud and be aligned to the rubber base vertical thickness? If it were close, but not quite flush to the GWB okay...but then we would need to review what to do about the rubber base as there would not be adequate wall surface at the jambs to turn the corner.

From: Dockendorf, David <ddockendorf@consigli.com>
Sent: Monday, September 27, 2021 10:45 AM
To: Arthur Duffy <aduffy@hmfh.com>
Cc: Alan Pemstein <apemstein@hmfh.com>; DeRosa, Thomas <tderosa@consigli.com>; McWilliams, Chuck <cmcwilliams@consigli.com>; LaMarre, John <JLaMarre@consigli.com>
Subject: RE: CW08A frame connection to 3rd floor slab

Arthur,

We have received additional information From R&R Windows. Please advise if HMFH takes exception to this purposed solution to extend the clip at the 3rd floor slab approximately 5" into the room.

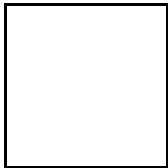
From R&R Windows this morning:

On the issue of the edge distance we discussed during last Thursday's meeting, I heard back from our engineer that we can modify the clip design however the new dimension from back of curtain wall system to back/inside face of clip would need to be now 4 ½ -5" in toward the room, thus increasing the interior b/m sill cover. Let us know how you would like to proceed. The other issue with this is we do not have material to make new anchors out of and we would have to purchase new extrusions to make these. lead time is unknown and we would have to find that out also.

Also he is looking into the cw45 next and he thinks those clips might have to come in a little further but he'll let us know.

Please advise thank you

Justin Provencal,
Senior Project Manager



**David Dockendorf, LEED AP, CM-Lean
Project Manager**

t: 774-217-0575 | m: 774-217-0575



consigli.com

From: Dockendorf, David <ddockendorf@consigli.com>

Sent: Thursday, September 23, 2021 12:01 PM

To: Arthur Duffy <aduffy@hmfh.com>

Cc: Alan Pemstein <apemstein@hmfh.com>; DeRosa, Thomas <tderosa@consigli.com>; McWilliams, Chuck <cmcwilliams@consigli.com>; LaMarre, John <JLaMarre@consigli.com>

Subject: CW08A frame connection to 3rd floor slab

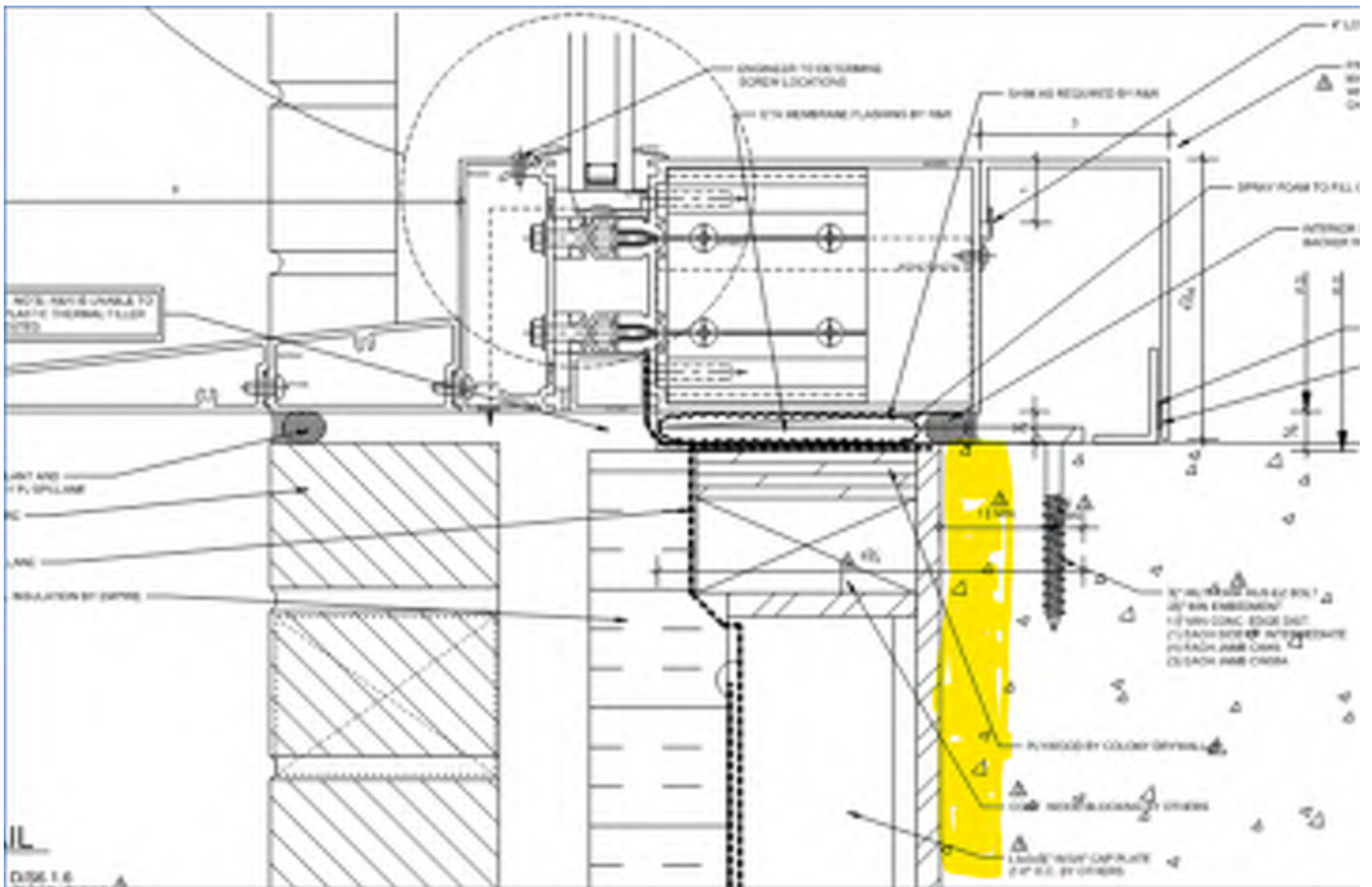
Arthur,

Heads up. I am hearing grumblings regarding the attachment of the CW08A attachment to the slab at level 3. We are looking into what the issue is so that we can review a solution as a team. At this time it's known that there is foam between the pour stop and concrete and forcing the F&T anchor screw to fail due to not having enough concrete to anchor into. As a possible solution, we are pursuing a longer leg on the F&T clip and bring this attachment point further into the building to allow this CW to be secured properly. The engineers needs to confirm this could work.

We will get back with any additional information for the site.

Thanks,

Dave



David Dockendorf, LEED AP, CM-Lean
Project Manager

t: 774-217-0575 | m: 774-217-0575

consigli.com

Consigli Owner Monthly Dashboard

April 2022

Arlington High School

869 Mass Ave. Arlington, MA

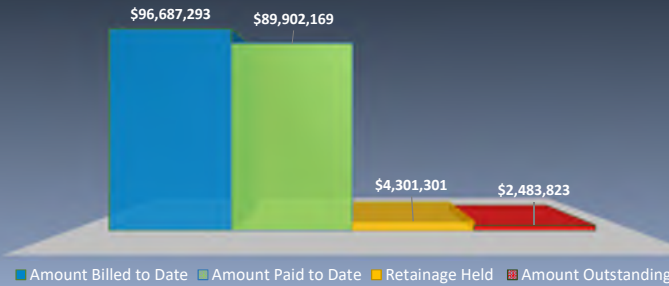


CONSIGLI
Est. 1905

Executive Overview

- Substantial Completion/TCO of Auditorium recieved on 4/14/22 and space has been turned over to the school. Material supply chain audio equipment and millwork will be installed in summer of 2022.
- Supply chain material & transportation continue and work arounds implemented without compromising the design. Current materials; production lab sound equipment . Acoustic wood doors, appliances. The Temp. kitchen hood & lighting controls were installed during April Vacation week.
- Phase 1; sitework sidewalks, hardscaping, irrigation and landscaping on going as scheduled.
- Phase 2: Abatement continues, and will complete in early May. Eversource disconnect of existing service, originally scheduled for 3/14/22, pushed to 4/6/22 resulting in impacts to schedule. Unforeseen ACM material discovered at Collumb Building during demolition. Schedule impact is currently being anylized.
- PH-2 materials. Inventory of materials in storage and all materials that can be released into production continues so as to reduce the potential for supply chain impacts.

Billing Status



Progress Pictures



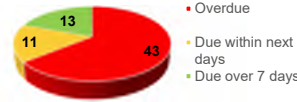
Safety

Current Project Safety Score	97.80%
Total Man Hours to Date	336,980
Incidents to Date/ Month	1

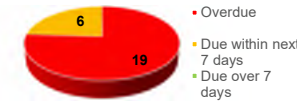
Workforce Reporting

Minority Participation	Goal: 15.3%	22.20%
Women Participation	Goal: 6.9%	3.00%
Local Participation		N/A

Submittal Response Status



RFI Response Status



Schedule

Project Milestones	Target	Actual
Completion of Phase 1 (Temporary Certificate of Occupancy)	2/11/2022	2/11/2022
Completion of Phase 1 - Auditorium (TCO)	4/4/2022	4/14/2022
Begin Phase 2 Abatement	3/7/2022	3/7/2022
Eversource Disconnect PH-2 Existing Power	3/14/2022	4/6/2022
Start of Pressure Injected Footings PH-2 (PIF's)	6/8/2022	
Start of Concrete foundations PH-2	6/24/2022	
Completion of Phase 2	9/19/2023	
Completion of Phase 3	9/24/2024	
Completion of Phase 4	6/24/2025	

Roadblocks

Item	Resolution	BIC
#1832 - Phase 2 Combined Document Set	5/1/2022	HFMH

Contract Status

Original Contract Amount	\$234,562,347
Approved Change Orders	\$1,052,968
Current Contract Amount	\$235,615,315

Change Orders

Verbal Approved	\$152,968
Submitted	\$342,600
Pending	\$737,640
Total Potential Changes	\$1,233,208

Hold Status

Original Hold Budget	\$3,905,707
Expended to Date	\$1,703,387
Remaining Holds	\$2,202,320

Contingency Status

Original Cont. Value	\$6,967,419
Expended to Date	\$1,167,724
Remaining Contingency	\$5,799,695

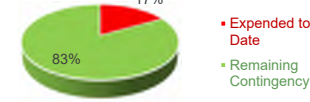
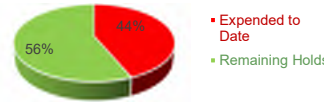
Allowance Status

Original Allow. Budget	\$4,321,945
Expended to Date	\$527,728
Remaining Allowance	\$3,794,217

Procurement

Percent Complete	99.38%
Buyout Bust / Savings	\$832,341
Buyout Bust / Savings %	0.01%

Projected Contract Amount
With Potential Changes \$236,848,523



Arlington High School Building Committee

Minutes

Meeting Date: Tuesday, April 5, 2022, 6:00 p.m.
Location: Conducted via Remote Participation

Committee members: Jeff Thielman, School Committee Representative, Chair, absent
Elizabeth Homan, Superintendent, Co-vice chair
Adam Chapdelaine, Town Manager, Co-vice chair
Kirsi Allison-Ampe, School Committee Representative, absent
Francis Callahan, Community Member Representative, absent
John Cole, Former Chair, Permanent Town Building Committee
Tobey Jackson, Community Member Representative
Matthew Janger, AHS Principal, absent
Ryan Katofsky, Community Member Representative
Brett Lambert, PTBC Representative
Kate Loosian, Community Member Representative, absent
Michael Mason, APS Chief Financial Officer
William McCarthy, AHS Assistant Principal, absent
Judson Pierce, Community Member, absent
Sandy Pooler, Deputy Town Manager
Paul Raia, Disabilities Commission Representative
Jim Feeney, in for Facilities Dir, Town of Arlington absent
Amy Speare, Community Member Representative
Shannon Knuth, Teacher Representative
Kent Werst, Teacher Representative

Also: Jim Burrows, Victoria Clifford, Sy Nguyen, Skanska
Lori Cowles, Absent, Arthur Duffy, HMFH Architects, Inc.
John LaMarre, Chris Webber, Dave Dockendorf, Consigli
Karen Fitzgerald, AHSBC Recording Secretary

Skanska Update

Jim Burrows provided a few updates and said that things are going well. Next, Eversource needs to degenderize and they will meet with Skanska tomorrow, as scheduled. Skanska will continue to update the committee when everything is complete.

Consigli Update

John LaMarre provided the Executive Overview and Victoria shared the screen.

- Auditorium anticipated completion date is 4/14/22. Supply chain audio and millwork will be installed in summer of 2022. Millwork & seating substantially completed. AV public address being installed, final cleaning and Town inspections scheduled.

- Supply chain material & transportation continue and work around continue to being implemented without compromising the design. Current materials; production lab sound equipment due late May. Acoustic wood doors, appliances, Temp. kitchen hood & lighting controls available. Install April vacation.
- Phase 1; punch list (240 items), site work sidewalks, hardscaping underway. Irrigations and landscaping to follow.
- Phase 2: Abatement/demo began on schedule in early March, and will continue through May. Eversource disconnect of existing service, originally scheduled for 3/14/22, pushed to 4/6/22 resulting in impact schedule.
- PH-2 materials. Inventory of materials in storage and all materials that can be released into production continues so as to reduce the potential for supply chain impacts.

John showed the photos of the new AHS front entrance, AHS granite sign, and walkways of front entrance. He said the Fire Department can get in and out safely. The auditorium stage is on track with final painting and cleaning of the auditorium. Fusco severed from Collumb house photo was shown and the link. This gives everyone some insight on what is happening.

Liz Homan said the biggest challenge has been heat and dust during the demolishing. We have closed up windows and some found it uncomfortable. The team has been responsive on sound concerns and the team has been quick to resolve and jump in, the lines of communication have been good. John said air quality is being monitored and tested and keeping everyone at ease.

Subcommittee Reports

♦ Communications , Amy Speare thanked the Consigli team for keeping everything running smoothly. The subcommittee met yesterday and discussed tour dates and Phase 1. The tour will be treated as an open house and is scheduled on Saturday, April 30

From 10 a.m. to 2 p.m. Only certain rooms will be open and will have people stationed around certain classrooms to answer questions. It was proposed that the full committee members and students from bridge builders and honor society help out.

The committee is recommending to forgo any official ceremony to showcase the auditorium. A notice will be sent out the staff, families and community inviting everyone to the AHS Tours on April 30th.

♦ Finance, Adam Chapdelaine, no report

♦ Interiors, Liz Homan said the committee met this week and discussed bathroom fixtures, they are looking for feedback on adjusting bathroom signage. The committee looked at a few material options for future plaques to be displayed in the new high school, especially for the dedication to Dr. Kathleen Bodie for the Discourse Lab but they will hold off on planning the dedication until the policy is passed by the School Committee.

♦ Landscape & Exteriors, Liz Homan, no update

♦ Memorials, Liz Homan, no report but working on policy on space naming.

♦ SMEFPF, Ryan Katofsky is working with Talia Fox, Town Sustainability Manager on the tours to help answer questions. John LaMarre and Jim Burrows said they could include some of the sustainability materials in a handout given at the tour.

♦ Security, Liz Homan, no updates

♦ Temp Use-Phasing, Liz Homan, no updates

Meeting Minute Approval

♦March 1, 2022

On a **motion** by Sandy Pooler, seconded by Amy Speare, it was voted to approve the March 1, 2022 minutes.

Roll Call: Adam Chapdelaine, Yes, Sandy Pooler Yes, Tobey Jackson Yes, Michael Mason Yes, Amy Speare Yes, Ryan Katofsky Yes, Brett Lambert Yes, and Liz Homan Yes.

New Business

♦ Discuss returning to in-person meetings. The committee decided to hold off on the discussion and will bring it forward at the next meeting in May.

John Cole asked John LaMarre if anyone chained themselves to the columns before they were taken down. Kent Werst said the columns were not in good shape. The historical documentation is happening and pictures of the building are being posted by staff. Paul Rai asked how students with sensory issues are dealing with the noise. Both Shannon and Kent said that they don't hear anything unless they are opening up their windows. Liz Homan answered that if noise becomes an issue she works with Jim Burrows and construction is stopped. The team has been quick to change tasks.

Adjournment

On a **motion** by Michael Mason, Seconded, by Sandy Pooler, it was voted to adjourn at 6:50 p.m.

Roll Call: Adam Chapdelaine Yes, John Cole Yes, Tobey Jackson Yes, Michael Mason yes, Sandy Pooler Yes, Amy Speare Yes, Ryan Katofsky Yes, Bret Lambert Yes, and Liz Homan Yes.

Respectfully submitted by

Karen Fitzgerald

Executive Assistant and AHSBC Recording Secretary